

Antibodies Against Fluorescent Proteins

- A collection of antibodies for the detection of Evrogen Fluorescent Proteins in different applications.



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Overview

Rabbit polyclonal antibodies are available from Evrogen for immunological detection of fluorescent proteins and photosensitizer KillerRed. The antibodies were purified by affinity chromatography and can be used for Western blot, immunoblotting, immunohistochemistry, and ELISA.

Target protein	Antibody	Cat. #	Pages
CopGFP	Anti-CopGFP antibody	AB501, AB502	100
Dendra2	Anti-Dendra2 antibody	AB821, AB822	105
JRed	Anti-KillerRed antibody	AB961, AB962	106
KillerRed	Anti-KillerRed antibody	AB961, AB962	106
mKate2	Anti-tRFP antibody	AB231, AB232	104
PhiYFP, PhiYFP-m	Anti-PhiYFP antibody	AB601, AB602	102
	Anti-PhiYFP(d) antibody	AB603, AB604	103
PS-CFP2	Anti-Tag(CGY)FP antibody	AB121, AB122	101
TagBFP	Anti-tRFP antibody	AB231, AB232	104
TagCFP	Anti-Tag(CGY)FP antibody	AB121, AB122	101
TagFP635	Anti-tRFP antibody	AB231, AB232	104
TagGFP, TagGFP2	Anti-Tag(CGY)FP antibody	AB121, AB122	101
TagRFP	Anti-tRFP antibody	AB231, AB232	104
TagYFP	Anti-Tag(CGY)FP antibody	AB121, AB122	101
TurboFP602	Anti-tRFP antibody	AB231, AB232	104
TurboFP635	Anti-tRFP antibody	AB231, AB232	104
TurboGFP	Anti-TurboGFP antibody	AB511, AB512	98
	Anti-TurboGFP(d) antibody	AB513, AB514	99
TurboRFP	Anti-tRFP antibody	AB231, AB232	104
TurboYFP	Anti-PhiYFP antibody	AB601, AB602	102
	Anti-PhiYFP(d) antibody	AB603, AB604	103

Anti-TurboGFP antibody

Product	Cat. #	Size
Anti-TurboGFP antibody	AB511	100 µg
	AB512	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Immunoblotting
- Immunohistochemistry
- ELISA

Description

Rabbit polyclonal antibody against non-denatured TurboGFP.

Specificity: The antibody has been selected to recognize non-denatured TurboGFP. It can also be used for recognizing denatured TurboGFP, but with lesser activity than Anti-TurboGFP(d) (Cat.# AB513-AB514) antibody. The antibody shows little or no cross-reactivity with other fluorescent proteins like EGFP, TagFPs, TurboRFP, CopGFP, KFP-Red and, DsRed2.

Immunogen: Full-length recombinant non-denatured TurboGFP fused to 6XHis tag.

Antibody preparation: Full-length recombinant TurboGFP fused to 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography. Antibodies were produced in rabbits immunized with the recombinant non-denatured TurboGFP. Specific IgG were purified by TurboGFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂PO₄, and 0.01M NaBO₄; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

Notice to Purchaser:

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MATERIAL SAFETY DATA SHEET INFORMATION: To the best of our knowledge, these products do not require a Material Safety Data Sheet. However, all the properties of these products (and, if applicable, each of their components) have not been thoroughly investigated. Therefore, we recommend that you use gloves and eye protection, and wear a laboratory coat when working with these products.

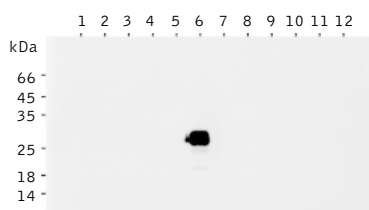
Anti-TurboGFP(d) antibody

Product	Cat. #	Size
Anti-TurboGFP(d) antibody	AB513	100 µg
	AB514	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA



Western blot detection of fluorescent proteins using Anti-TurboGFP(d) antibodies.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against denatured TurboGFP and CopGFP.

Specificity: The antibody has been selected to recognize denatured TurboGFP and CopGFP. It can also be used for recognizing non-denatured TurboGFP, but with lesser activity than corresponding Anti-TurboGFP (Cat.# AB511-AB512) antibody. The antibody shows little or no cross-reactivity with TagCFP, TagGFP, TagYFP, TagRFP, TurboFP602, TurboYFP, TurboRFP, PS-CFP2, Dendra2, KillerRed, EGFP, KFP-Red, and DsRed2.

Immunogen: Full-length recombinant denatured TurboGFP fused to 6XHis tag.

Antibody preparation: Full-length recombinant TurboGFP fused to 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography. Antibodies were produced in rabbits immunized with the recombinant denatured TurboGFP. Specific IgG were purified by TurboGFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂PO₄, and 0.01M NaBO₄; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity. Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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Anti-CopGFP antibody

Product	Cat. #	Size
Anti-CopGFP antibody	AB501	100 µg
	AB502	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Immunoblotting
- Immunohistochemistry
- ELISA

Description

Rabbit polyclonal antibody against non-denatured CopGFP.

Specificity: The antibody has been selected to recognize non-denatured CopGFP. Heat or chemically denatured protein lacks antigen determinants. The antibody shows little or no cross-reactivity with other fluorescent proteins like EGFP, TurboGFP, KFP-Red, and DsRed2.

Immunogen: Full-length recombinant non-denatured CopGFP fused to 6XHis tag.

Antibody preparation: Full-length recombinant CopGFP fused to 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography. Antibodies were produced in rabbits immunized with the recombinant non-denatured CopGFP. Specific IgG were purified by CopGFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂PO₄, and 0.01M NaBO₄; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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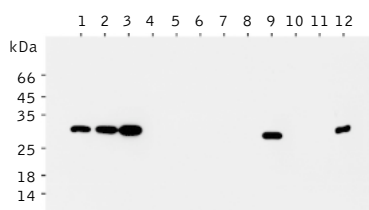
Anti-Tag(CG Y)FP antibody

Product	Cat. #	Size
Anti-Tag(CG Y)FP antibody	AB121	100 µg
	AB122	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA



Western blot detection of fluorescent proteins using Anti-Tag(CG Y)FP antibodies.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against TagCFP, TagGFP, TagGFP2, TagYFP, PS-CFP2, and EGFP.

Specificity: The antibody has been selected to recognize both denatured and native TagCFP, TagGFP, TagGFP2, TagYFP, and PS-CFP2. The antibody also recognizes EGFP. The antibody shows little or no cross-reactivity with TagRFP, TurboRFP, TurboYFP, TurboFP602, JRed, Dendra2, and KillerRed.

Immunogen: Full-length recombinant denatured TagGFP fused to 6xHis tag.

Antibody preparation: Full-length recombinant TagGFP fused to 6XHis tag was purified from transformed *E. coli* using organic extraction and hydrophobic chromatography. Antibody was produced in rabbits immunized with the recombinant denatured TagGFP and purified by TagGFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.01M Na₂PO₄, 0.1M NaCl, 0.25 mg/ml gelatin, and 1% trehalose; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity. Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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Anti-PhiYFP antibody

Product	Cat. #	Size
Anti-PhiYFP antibody	AB601	100 µg
	AB602	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Immunoblotting
- Immunohistochemistry
- ELISA

Description

Rabbit polyclonal antibody against non-denatured PhiYFP, PhiYFP-m, and TurboYFP.

Specificity: The antibody has been selected to recognize non-denatured TurboYFP, PhiYFP, and PhiYFP-m. Heat or chemically denatured proteins lack antigen determinants. The antibody shows little or no cross-reactivity with other fluorescent proteins like EGFP, TurboGFP, KFP-Red, and DsRed2.

Immunogen: Full-length recombinant non-denatured PhiYFP fused to 6XHis tag.

Antibody preparation: Full-length recombinant PhiYFP fused to 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography. Antibodies were produced in rabbits immunized with the recombinant non-denatured PhiYFP. Specific IgG were purified by PhiYFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂PO₄, and 0.01M NaBO₄; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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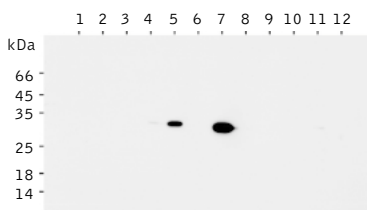
Anti-PhiYFP(d) antibody

Product	Cat. #	Size
Anti-PhiYFP(d) antibody	AB603	100 µg
	AB604	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA



Western blot detection of fluorescent proteins using Anti-PhiYFP(d) antibodies.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against denatured PhiYFP, PhiYFP-m, and TurboYFP.

Specificity: The antibody has been selected to recognize denatured TurboYFP, PhiYFP, and PhiYFP-m. It can also be used for recognizing non-denatured Phi-Yellow proteins, but with lesser activity than Anti-PhiYFP (Cat.# AB601-AB602) antibody. The antibody shows little or no cross-reactivity with TagCFP, TagGFP, TagYFP, TagRFP, TurboGFP, TurboRFP, JRed, Dendra2 and KillerRed. The antibody shows cross-reactivity with TagRFP, TurboFP602, and TurboFP635.

Immunogen: Full-length recombinant denatured PhiYFP fused to 6XHis tag.

Antibody preparation: Full-length recombinant PhiYFP fused to 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography. Antibodies were produced in rabbits immunized with the recombinant denatured PhiYFP. Specific IgG were purified by PhiYFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂PO₄, and 0.01M NaBO₄; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity. Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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Anti-tRFP antibody

Product	Cat. #	Size
Anti-tRFP antibody	AB231	100 µg
	AB232	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA

NOTE: Anti-tRFP antibody is not recognized by (at least) some of mouse monoclonal anti-rabbit antibodies. Please use goat anti-rabbit antibodies instead.



Western blot detection of fluorescent proteins using Anti-tRFP antibodies.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against TurboRFP, TurboFP602, TurboFP635, TagBFP, TagRFP, TagFP635 and mKate2.

Specificity: The antibody has been selected to recognize both denatured and native TurboRFP, TurboFP602, TurboFP635, TagBFP, TagRFP, TagFP635 and mKate2. The antibody shows little or no cross-reactivity with TagCFP, TagGFP, TagYFP, TurboGFP, TurboYFP, JRed, PS-CFP2, KillerRed, and EGFP. The antibody shows cross-reactivity with Dendra2.

Immunogen: Full-length recombinant denatured TurboRFP.

Antibody preparation: Full-length recombinant TurboRFP was purified from transformed *E. coli* using organic extraction and hydrophobic chromatography. Antibody was produced in rabbits immunized with the recombinant denatured TurboRFP and purified by TurboRFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.01M Na₂PO₄, 0.1M NaCl, 0.25 mg/ml gelatin, and 1% trehalose; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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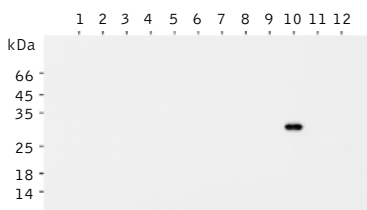
Anti-Dendra2 antibody

Product	Cat. #	Size
Anti-Dendra2 antibody	AB821	100 µg
	AB822	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA



Western blot detection of fluorescent proteins using Anti-Dendra2 antibodies.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against green-to-red photoswitchable fluorescent protein Dendra2.

Specificity: The antibody has been selected to recognize both denatured and native Dendra2. The antibody shows little or no cross-reactivity with TagCFP, TagGFP, TagYFP, TagRFP, TurboGFP, TurboYFP, TurboRFP, TurboFP602, JRed, and KillerRed.

Immunogen: Full-length recombinant denatured Dendra2.

Antibody preparation: Full-length recombinant Dendra2 was purified from transformed *E. coli* using organic extraction and hydrophobic chromatography. Antibody was produced in rabbits immunized with the recombinant denatured Dendra2 and purified by Dendra2 affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.01M Na₂PO₄, 0.1M NaCl, 0.25 mg/ml gelatin, and 1% trehalose; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable. Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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Anti-KillerRed antibody

Product	Cat. #	Size
Anti-KillerRed antibody	AB961	100 µg
	AB962	200 µg

Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA



Western blot detection of fluorescent proteins using Anti-KillerRed antibodies.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against KillerRed and red fluorescent protein JRed.

Specificity: The antibody has been selected to recognize both denatured and native KillerRed and JRed. The antibody shows little or no cross-reactivity with TagCFP, TagYFP, TurboGFP, TurboYFP, TurboRFP. The antibody shows cross-reactivity with TagGFP, TagRFP, TurboFP602, and TurboFP635.

Immunogen: Full-length recombinant denatured KillerRed.

Antibody preparation: Full-length recombinant KillerRed was purified from transformed *E. coli* using organic extraction and hydrophobic chromatography. Antibody was produced in rabbits immunized with the recombinant denatured KillerRed and purified by KillerRed affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.01M Na₂PO₄, 0.1M NaCl, 0.25 mg/ml gelatin, and 1% trehalose; pH 7.4.

Reconstitution: Reconstitute with sterile water or 50% glycerol to a concentration of 1 mg/ml.

Storage: Lyophilized samples are stable for twelve months from date of receipt when stored at -20°C. The presence of silica gel drier is advisable.

Reconstituted with sterile water, antibody can be stored at +2 - +8°C for three months without detectable loss of activity.

Reconstituted with 50% glycerol, antibody can be stored at -20°C in a manual defrost freezer for six months without detectable loss of activity. Aliquot antibody upon reconstitution. Avoid repeated freeze / thaw cycles.

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