

Anti-tRFP antibody

Product	Cat.#	Lot.#	Size
Anti-tRFP antibody	AB233	23301290611	100 µg
	AB234	23402290611	200 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA

Description

Rabbit polyclonal antibody against TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagRFP, TagFP635, mKate2 and PA-TagRFP.

Specificity: The antibody has been selected to recognize both denatured and native TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagRFP, TagFP635, mKate2 and PA-TagRFP.

Immunogen: Full-length recombinant denatured and non-denatured TagRFP comprising 6XHis tag.

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

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na₂HPO₄, 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.

Recommendations for use

The antibody can be used to recognize TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagRFP, TagFP635, mKate2 and PA-TagRFP proteins and their fusions.

Working concentrations:

For Western blot use at a dilution of 1:3000 - 1:7000;

For ELISA use at a dilution of 1:10000 - 1:40000;

For immunocytochemistry use at a dilution of 1:15 000.

Note: Optimal dilutions/concentrations should be determined by the end user.

Tissue (cells) fixation for immunohistochemistry: Formaldehyde (formalin, paraform) fixation is recommended. For example, tissues can be fixed in PBS containing 4% formaldehyde for 10-15 min, treated with 0.1% saponin in PBS for 10-15 min, and washed three times in PBS.

Sample preparation for Western blot: To a sample containing 10-100 ng of a target protein, add an equal volume of 2x SDS-PAGE sample buffer. Heat the sample at 95°C before loading on a gel or spotting on a membrane (for dots).

Notice to Purchaser:

These products are intended for research purposes only.

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.