Anti-tRFP antibody

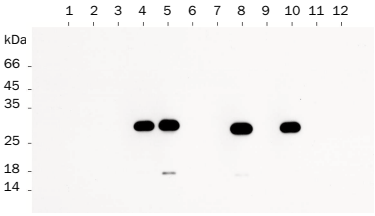
Product	Cat.#	Size
Anti-tRFP antibody	**AB231**	100 μg
	AB232	200 μg

The price does not include delivery. The price varies in different countries. Please contact your local distributor for exact prices and delivery information.

Use

- Western blot
- Immunoblotting
- Immunohistochemistry
- ELISA
- In cell Western
- Immunoprecipitation

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 antibody.
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, TagGFP2, 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 Na_2PO_4, 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.

Recommendations for use

The antibody can be used to recognize TurboRFP, TurboFP602, TurboFP635, TagBFP, TagRFP, TagPF636 and mKate2 proteins and their fusions.

Working concentrations:
For Western blot use at a dilution of 1:10000;
For ELISA use at a dilution of 1:20000;
For immunohistochemistry use at a dilution of 1:1000.

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 1-100 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).