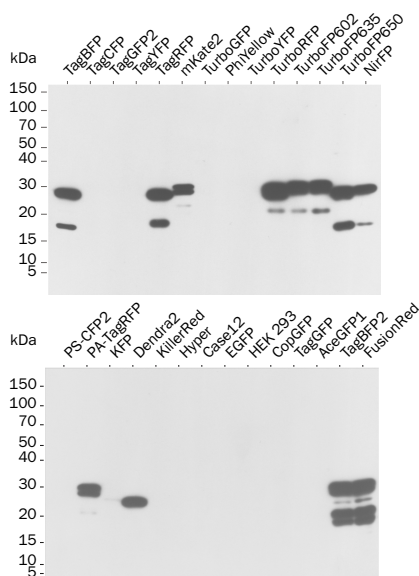


Anti-tRFP antibody

Product	Cat.#	Lot.#	Size
Anti-tRFP antibody	AB233	23301241265	100 µg
	AB234	23402241265	200 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA



Western blot detection of fluorescent proteins using anti-tRFP antibody

Lysates of HEK293 cells expressing fluorescent proteins were boiled in sample buffer (95°C, 10 min) before loading. Anti-tRFP antibody was used in the concentration 0.6 µg/ml. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Note: Upon heating of samples, red fluorescent proteins that carry DsRed-like chromophore often demonstrate partial fragmentation with a break point just before the chromophore. It leads to the presence of multiple bands on the Western blot. These bands correspond to truncated and partially truncated forms of detected proteins.

Description

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

Specificity: The antibody was selected to recognize both denatured and native TurboRFP. The antibody also recognizes TurboFP602, TurboFP635, TurboFP650, NirFP, TagBFP, TagBFP2, TagRFP, FusionRed, 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 PBS buffer containing 0.5% 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, TurboFP650, NirFP, TagBFP, TagRFP, FusionRed, mKate2 and PA-TagRFP proteins and their fusions. The antibody can also be used for Western blot detection of Dendra2.

Working concentrations:

For Western blot use at a dilution of 1:1 000 - 1:5 000;

For ELISA use at a dilution of 1:50 000 - 1:100 000;

For immunocytochemistry use at a dilution of 1:1 000 - 1:5 000.

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

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.

MSDS information is available at <http://www.evrogen.com/MSDS.shtml>