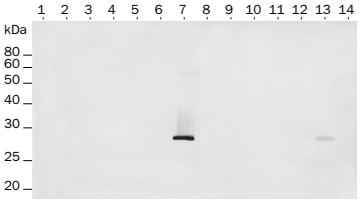
Anti-TurboGFP(d) antibody

Product	Cat.#	Lot.#	Size
Anti-TurboGFP(d) antibody	**AB513**	51301070710	100 μg
	AB514	51401070710	200 μg

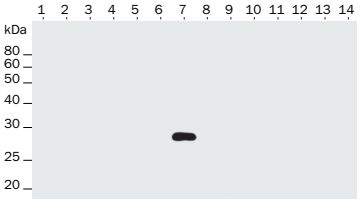
Use

- Western blot
- Immunoblotting
- ICC
- ELISA

TMB



ECL



Western blot detection of fluorescent proteins using Anti-TurboGFP(d) antibody. 1 - TagBFP; 2 - TagCFP; 3 - TagGFP2; 4 - TagYFP; 5 - TagRFP; 6 - mKate2; 7 - TurboGFP; 8 - TurboRFP; 9 - TurboFP602; 10 - TurboFP635; 11 - KFP-Red; 12 - PhiYFP; 13 - KillerRed; 14 - PS-CFP2. Recombinant proteins were purified from transformed *E. coli*. 50 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/20000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against denatured and non-denatured TurboGFP and CopGFP.

Specificity: The antibody has been selected to recognize denatured and non-denatured TurboGFP and CopGFP. The antibody shows little or no cross-reactivity with TagBFP, TagCFP, TagGFP2, TagYFP, TagRFP, mKate2, TurboYFP, TurboFP602, TurboFP635, PS-CFP2 and EGFP. The antibody may show weak cross-reactivity with KillerRed and TurboRFP.

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

Antibody preparation: Full-length recombinant TurboGFP 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 TurboGFP. Specific IgG were purified by TurboGFP affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1M NaCl, 0.01M Na_2HPO_4, and 0.01M $NaBO_4$; 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

Anti-TurboGFP(d) antibody can be used to recognize denatured and non-denatured TurboGFP and CopGFP.

Working concentrations:
For Western blot use at a dilution of 1:30 000;
For ELISA use at a dilution of 1:30 000 - 1:40 000;
For immunocytochemistry use at a dilution of 1:3000 - 1:10000.

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).