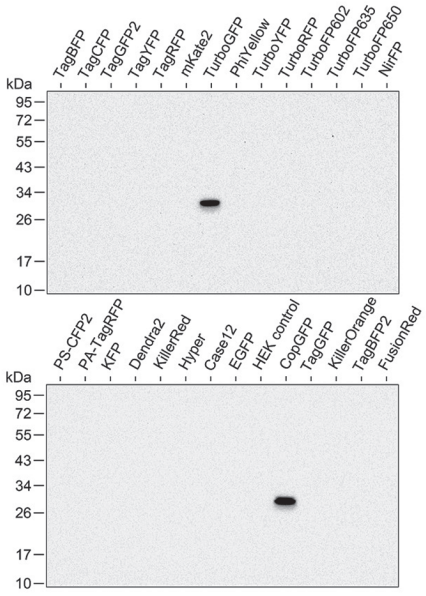
Anti-TurboGFP(d) antibody

Product	Cat.#	Lot.#	Size
Anti-TurboGFP(d) antibody	**AB514**	51402220612	200 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA



Western blot detection of fluorescent proteins using anti-TurboGFP(d) antibody.
Lisates of HEK293 cells expressing fluorescent proteins were boiled in sample buffer (95 °C, 10 min) before loading. Anti-TurboGFP(d) antibody was used in the concentration 0.2 µg/ml. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

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

Specificity: The antibody was selected to recognize denatured and non-denatured TurboGFP and CopGFP.

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

Antibody preparation: Full-length recombinant denatured TurboGFP and non-denatured CopGFP proteins comprising 6XHis tag were purified from transformed *E. coli* using metal-ion affinity chromatography.
Antibodies were produced in rabbits immunized with the mixture of recombinant denatured TurboGFP and non-denatured CopGFP. Specific IgG were purified by TurboGFP affinity chromatography and mixed.
For affinity chromatography full-length recombinant TurboGFP was purified from transformed *E. coli* using organic extraction and ion exchange 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 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 : 1 000 – 1 : 5 000;
For ELISA use at a dilution of 1 : 30 000 – 1 : 50 000;
For immunocytochemistry use at a dilution of 1 : 1 000 – 1 : 3 000.

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).

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