

## Anti-TurboGFP(d) antibody

Product	Cat.#	Lot.#	Size
Anti-TurboGFP(d) antibody	<b>AB513</b>	51301220366	100 µg
	<b>AB514</b>	51402010812	200 µg
	<b>AB514</b>	51402010912	200 µg
	<b>AB514</b>	51402220366	200 µg

### Use

- Western blot
- Immunoblotting
- ICC
- ELISA

### 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. The antibody shows little or no cross-reactivity with TagBFP, TagCFP, TagGFP, TagGFP2, TagYFP, TagRFP, mKate2, PhiYellow, TurboYFP, TurboRFP, TurboFP602, TurboFP635, TurboFP650, NirFP, PS-CFP2, PA-TagRFP, KFP-Red, Dendra2, KillerRed, HyPer, Case12 and EGFP.

**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 and CopGFP affinity chromatography and mixed.

**Formulation:** Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1M NaCl, 0.01M Na<sub>2</sub>HPO<sub>4</sub>, and 0.01M NaBO<sub>4</sub>; 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 1:5 000 - 1:10 000;

For ELISA use at a dilution of 1:30 000 - 1:50 000;

For immunocytochemistry use at a dilution of 1:5000 - 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).

### Notice to Purchaser:

These products are intended for research purposes only.

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