

Anti-Tag(CGY)FP antibody

Product	Cat.#	Lot.#	Size
Anti-Tag(CGY)FP antibody	AB122	12201310512	200 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA

Description

Rabbit polyclonal antibody against TagCFP, TagGFP, TagGFP2, TagYFP, PS-CFP2, Case12, HyPer, and EGFP.

Specificity: The antibody has been selected to recognize both denatured and native TagCFP, TagGFP, Tag-GFP2, TagYFP, PS-CFP2, Case12, and HyPer. The antibody also recognizes EGFP. The antibody shows little or no cross-reactivity with TagRFP, TurboGFP, TurboRFP, TurboFP635, JRed, Dendra2, and KillerRed.

Immunogen: Full-length recombinant denatured TagGFP2.

Antibody preparation: Full-length recombinant TagGFP2 comprising 6XHis tag was purified from transformed *E. coli* using metal-ion affinity chromatography.

Antibodies were produced in rabbits immunized with the recombinant denatured TagGFP2. Specific IgG were purified by TagGFP2 affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.1% mannitol, 0.1% dextran, 0.1 M NaCl, 0.01 M Na₂HPO₄, and 0.01 M NaBO₄; 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

The antibody can be used to recognize TagCFP, TagGFP2, TagYFP, PS-CFP2, and their fusions.

Working concentrations:

For Western blot use at a dilution of 1 : 5 000 – 1 : 10 000;

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

For immunocytochemistry use at a dilution of 1 : 2 500 – 1 : 5 000.

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).

Notice to Purchaser:

These products are intended for research purposes only.

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