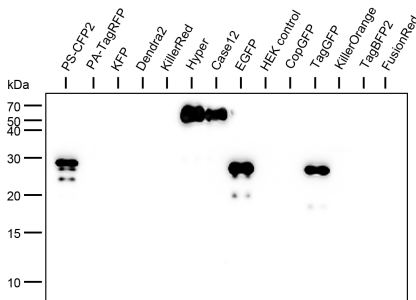
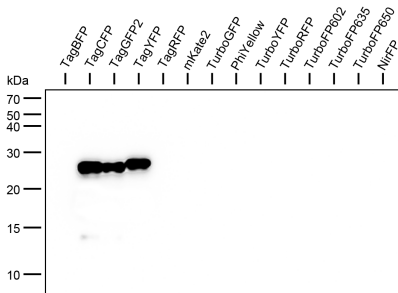


Anti-GFP antibody

Product	Cat.#	Lot.#	Size
Anti-GFP antibody	AB011	01101231265	100 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA



Western blot detection of fluorescent proteins using anti-GFP antibody.

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

Description

Rabbit polyclonal antibody against EGFP, TagCFP, TagGFP, TagGFP2, TagYFP, PS-CFP2, AceGFP1, Case12 and HyPer.

Specificity: The antibody was selected to recognize both denatured and native EGFP, TagCFP, TagGFP, TagGFP2, TagYFP, PS-CFP2, AceGFP1, Case12 and HyPer.

Immunogen: Full-length recombinant non-denatured TagGFP2 and EGFP.

Antibody preparation: Full-length recombinant EGFP and TagGFP2 were purified from transformed *E. coli* using organic extraction and ion exchange chromatography.

Antibodies were produced in rabbits immunized with recombinant non-denatured TagGFP2 and with non-denatured EGFP. Specific IgG were purified by TagGFP2 affinity chromatography and mixed.

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 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.

Working concentrations:

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

For ELISA use at a dilution of 1 : 10 000 - 1 : 30 000;

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

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

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.

MSDS information is available at <http://evrogen.com/support/MSDS-info.shtml>