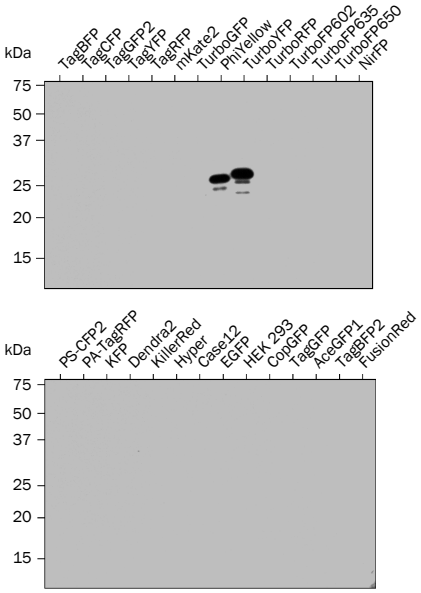
Anti-TurboYFP antibody

Product	Cat.#	Lot.#	Size
Anti-TurboYFP antibody	**AB606**	60602180614	200 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA



Western blot detection of fluorescent proteins using anti-TurboYFP antibody.
Lisates of HEK293 cells expressing fluorescent proteins were boiled in sample buffer (95 °C, 10 min) before loading. Anti-TurboYFP antibody was used in the concentration 0.6 µg/ml. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against TurboYFP, PhiYFP and PhiYFP-m.

Specificity: The antibody was selected to recognize both denatured and native TurboYFP. The antibody also recognizes PhiYFP and PhiYFP-m.

Immunogen: Full-length recombinant denatured and non-denatured TurboYFP.

Antibody preparation: Full-length recombinant TurboYFP was purified from transformed *E. coli* using organic extraction and ion exchange chromatography. Antibodies were produced in rabbits immunized with the mixture of recombinant denatured and non-denatured TurboYFP. Specific IgG were purified by TurboYFP affinity chromatography. All samples of antiserum were tested, mixed together and lyophilized.

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 −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 TurboYFP, PhiYFP and PhiYFP-m proteins and their fusions.

Working concentrations:
For Western blot use at a dilution of 1 : 3 000 – 1 : 10 000;
For ELISA use at a dilution of 1 : 10 000 – 1 : 100 000;
For immunocytochemistry use at a dilution of 1 : 3 000 – 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).