

Anti-KillerRed antibody

Product	Cat.#	Lot.#	Size
Anti-KillerRed antibody	AB961	96101301006	100 µg
	AB962	96201080207	200 µg

Use

- Western blot
- Immunoblotting
- ICC
- ELISA



Western blot detection of fluorescent proteins using Anti-KillerRed antibody.

1 - TagCFP; 2 - TagGFP; 3 - TagYFP; 4 - TagRFP; 5 - TurboFP602; 6 - TurboGFP; 7 - TurboYFP; 8 - TurboRFP; 9 - PS-CFP2; 10 - Dendra2; 11 - KillerRed; 12 - EGFP.

Recombinant proteins were purified from transformed *E. coli*. 25 ng of each protein were separated by SDS PAGE (14% acrylamide). The samples were boiled before loading. Antibody was used at a 1/10000 dilution. Secondary antibody: Goat anti-Rabbit HRP-conjugated IgG.

Description

Rabbit polyclonal antibody against KillerRed, ArrestRed, and JRed.

Specificity: The antibody has been selected to recognize both denatured and native KillerRed and JRed. The antibody shows little or no cross-reactivity with TagCFP, TagYFP, TurboGFP, TurboYFP, TurboRFP. The antibody shows cross-reactivity with TagGFP, TagGFP2, TagRFP, TurboFP602, and TurboFP635.

Immunogen: Full-length recombinant denatured KillerRed.

Antibody preparation: Full-length recombinant KillerRed was purified from transformed *E. coli* using organic extraction and hydrophobic chromatography. Antibody was produced in rabbits immunized with the recombinant denatured KillerRed and purified by KillerRed affinity chromatography.

Formulation: Lyophilized from the buffer containing 0.01M Na₂HPO₄, 0.1M NaCl, 0.25 mg/ml gelatin, and 1% 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 KillerRed, JRed and their fusions.

Working concentrations:

For Western blot use at a dilution of 1:10000;

For ELISA use at a dilution of 1:20000;

For immunocytochemistry use at a dilution of 1:5000.

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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