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GFP-Tag

Catalog #:AE012

Tested applications:WB IF

Antibody Type:
Monoclonal Antibody

Recommended Dilution:WB 1:2000 - 1:3000 IF 1:50 - 1:100

Species: Mouse

Observed MW: Refer to Figures

Isotype: IgG

Immunogen:

Purity: Affinity purification

Recombinant protein of GFP

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

For research use only.

Background:

Protein tags are protein or peptide sequences located either on the C- or N- terminal of the target protein, which facilitates one or several of the following characteristics: solubility, detection, purification, localization and expression. Green fluorescence protein(GFP) is a protein composed of 238 amino acid residues(26.9kDa) derived from the Jellyfish Aequorea victoria, which emits green light(emission peak at 509nm) when excited by blue light(excitation peak at 395nm). GFP has become an invaluable tool in cell biology research, since its intrinsic fluorescence can be visualized in living cells. EGFP contains the double-amino-acid substitutions Phe-64 to Leu and Ser-65 to Thr(previously published as GFPmut1; PMID: 8707053). In contrast to wtGFP, EGFP has a single, strong, red-shifted excitation peak at 488nm. GFPmut1 fluoresces 35-fold more intensely than wtGFP when excited at 488nm, due to an increase in its extinction coefficient(Em). This antibody is a rabbit polyclonal antibody raised against full-length eGFP and reactive against all variants of Aequorea victoria GFP such as S65T-GFP, RS-GFP, YFP, CFP and eGFP.

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