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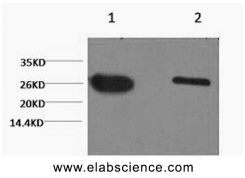
GFP Monoclonal Antibody

Catalog No.	E-AB-20086	**Reactivity**	
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Mouse
Applications	WB,IP	**Isotype**	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Western Blot analysis of GFP transfected Hela cells using GFP Monoclonal Antibody at dilution of 1) 1:5000 2) 1:10000.

Immunogen Information

Immunogen	Recombinant Protein
Synonyms	GFP,Green fluorescent protein

Product Information

Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.4.
Purify	Protein A purification
Clone No.	Clone:3I3
Dilution	WB 1:5000-1:10000, IP 1:100-1:300

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). 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).