

Anti-GFP Tag Polyclonal Antibody



<u>Catalog No.</u>	<u>Size</u>
E022200-01	100µl
E022200-02	500µl
E022200-03	50µl

Specificity	Anti- GFP Tag
Source	Rabbit Polyclonal
Application	WB IF IHC IP
Form	Liquid, 1 mg/ml

Background Information

Green fluorescence protein (GFP) is a 27 kDa protein derived from the jellyfish *Aequorea victoria*, which emits green light when excited by blue light. GFP fluorescence is stable under fixation conditions and suitable for a variety of applications. GFP has been widely used as a reporter for gene expression, enabling researchers to visualize and localize GFP-tagged proteins within living cells without the need for chemical staining. Other applications of GFP include assessment of protein-protein interactions through the yeast two-hybrid system and measurement of distance between proteins through fluorescence energy transfer (FRET) protocols.

Application Notes

Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: Western blot (1:1000-1:5000). Immunofluorescence and Immunocytochemistry (1:200-1:800), Immunoprecipitation (1:200).

Source and Purification

This polyclonal antibody is produced by immunizing rabbits with purified GFP expressed in *E. coli*. Antibodies are purified by protein A affinity chromatography.

Specificity and Sensitivity

Anti-GFP Tag Polyclonal Antibody recognizes C-terminal and N-terminal GFP-tagged proteins. The GFP can be native or denatured forms.

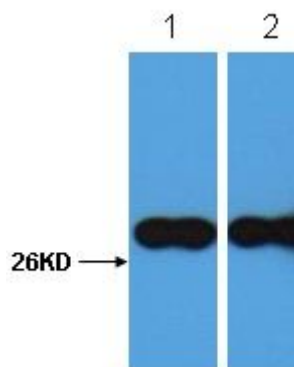
Storage Buffer

PBS, pH 7.4 with 0.05% sodium azide, 50% Glycerol.

Storage Instructions

Stable for 1 year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing. Aliquot will be stable at 4°C for 3 months.

Images



PET-28a GFP recombinant protein expressed in *E. coli*
Anti-GFP PAB lane 1: 1:5000 lane 2 1:10000.