

For Research Use Only

HRP-conjugated GFP tag Monoclonal antibody

Catalog Number:HRP-66002

15 Publications



Basic Information

Catalog Number: HRP-66002	GenBank Accession Number: M62653	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): Full Name:	CloneNo.: 1E10H7
Source: Mouse	Calculated MW: 26 kDa	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG2a	Observed MW: -	

Applications

Tested Applications: WB	Positive Controls: WB : Recombinant protein,
Cited Applications: WB, IF, CoIP	
Species Specificity: aequorea victoria, recombinant protein	

Background Information

Green Fluorescent Proteins (GFPs) encompass a diverse range of proteins carrying a green chromophore, originating from various species and forming different protein lineages. Wildtype GFP consists of 238 amino acid residues (26.9 kDa). GFP was first identified in the jellyfish *Aequorea victoria*. It emits green light with a peak wavelength of 509 nm upon excitation by blue light at 395 nm. When fused with other proteins, GFP serves as a versatile reporter protein e.g. for quantifying expression levels or facilitates visualization of subcellular localization through fluorescence microscopy. This antibody is a HRP conjugated mouse (IgG2a) monoclonal antibody against GFP reactive to GFP, eGFP, eYFP, YFP and CFP. Note: Do not add Azium (Sodium Azide or Smite) into the dilution buffer. Azium is the HRP inhibitor which decreases the enzymatic activity of HRP.

Notable Publications

Author	Pubmed ID	Journal	Application
Shu-Yi Yang	31659125	Plant Physiol	
Zhihui Ruan	36274707	Front Microbiol	WB,CoIP
Xingyu Zhang	34018922	Elife	WB

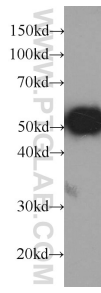
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Recombinant protein were subjected to SDS PAGE followed by western blot with HRP-66002 (GFP tag Antibody) at dilution of 1:10000.