

For Research Use Only

# HRP-conjugated GFP tag Monoclonal antibody

Catalog Number:HRP-66002

18 Publications



## Basic Information

Catalog Number:

HRP-66002

Concentration:

1000 ug/ml

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

M62653

GeneID (NCBI):

UNIPROT ID:

P42212

Full Name:

Calculated MW:

26 kDa

Observed MW:

-

Purification Method:

Antigen affinity purification

CloneNo.:

1E10H7

Recommended Dilutions:

WB: 1:5000-1:50000

## Applications

Tested Applications:

WB

Cited Applications:

WB, IF, CoIP

Species Specificity:

aequorea victoria, recombinant protein

Positive Controls:

WB : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

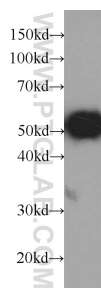
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.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.