For Research Use Only

HRP-conjugated 6*His, His-Tag Monoclonal antibody

Catalog Number:HRP-66005 276 Publications

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Basic Information

Catalog Number:
HRP-66005

Source:
Mouse

Isotype:
IgG1

GenBank Accession Number:

GeneID (NCBI):

UNIPROT ID:
HISTAG

Full Name:

Calculated MW:
0.84 kDa

Purification Method:
Protein G purification

CloneNo.:
1B7G5

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB

Cited Applications:
WB, IF, IP, CoIP, ELISA, Blocking assay, Cell treatment

Species Specificity:
recombinant protein

Cited Species:
human, chicken, hamster, recombinant protein

Positive Controls:

WB : Recombinant protein protein,

Background Information

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. His-tag is often used for affinity purification and binding assays. Expressed His-tagged proteins can be purified and detected easily because the string of histidine residues binds to several types of immobilized metal ions, including nickel, cobalt and copper, under specific buffer conditions. This His-tag antibody is a useful tool for monitoring of the His-tagged proteins, and recognizes His-tags placed at N-terminal, C-terminal, and internal regions of fusion proteins expressed in bacteria, insect, and mammalian cells. This antibody is conjugated with HRP.

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
Antti Kulmala	36178799	ACS Synth Biol	WB
Rudolf Hergesheimer	33003404	Cells	
Zihao Chen	36298677	Viruses	

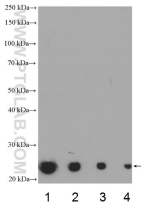
Storage

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



His tagged fusion protein(20ng/lane) were subjected to SDS-PAGE followed by western blot with HRP-66005 (6*His, His-Tag antibody) at dilution of

Lane 1: 1:20000 Lane 2: 1:40000

Lane 3: 1:80000 Lane 4: 1:160000

Recombinant protein were subjected to SDS PAGE followed by western blot with HRP-66005 (6*His, His-Tag antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.