

For Research Use Only

# 6\*His, His-Tag Monoclonal antibody

Catalog Number: 66005-1-Ig **756 Publications**



## Basic Information

|  |   |  |
|--|---|--|
| <b>Catalog Number:</b><br>66005-1-Ig                           | <b>GenBank Accession Number:</b><br>GeneID (NCBI):  | <b>Purification Method:</b><br>Protein A purification  |
| <b>Size:</b><br>150ul , Concentration: 1500 µg/ml by Nanodrop; | <b>Full Name:</b><br><b>Calculated MW:</b><br>1 kDa | <b>CloneNo.:</b><br>1B7G5  |
| <b>Source:</b><br>Mouse  |   | <b>Recommended Dilutions:</b><br>WB 1:5000-1:50000<br>IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate<br>IF 1:200-1:800 |
| <b>Isotype:</b><br>IgG1  |   |  |

## Applications

|  |  |
|--|--|
| <b>Tested Applications:</b><br>IF, IP, WB, ELISA                                     | <b>Positive Controls:</b><br>WB : recombinant protein,<br>IP : Transfected HEK-293 cells,<br>IF : Transfected HEK-293 cells, |
| <b>Cited Applications:</b><br>Cell treatment, ChIP, CoIP, ELISA, FC, IF, IHC, IP, WB |  |
| <b>Species Specificity:</b><br>recombinant protein                                   |  |
| <b>Cited Species:</b><br>human, yeast, mouse, pig                                    |  |

## 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. The 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.

## Notable Publications

| Author     | Pubmed ID | Journal          | Application |
|------------|-----------|------------------|-------------|
| Yanan Shao | 36177860  | Mol Plant Pathol | WB          |
| Yueke Lin  | 36178239  | EMBO Rep         | WB,IP       |
| Hao Yang   | 27708221  | Oncotarget       |             |

## Storage

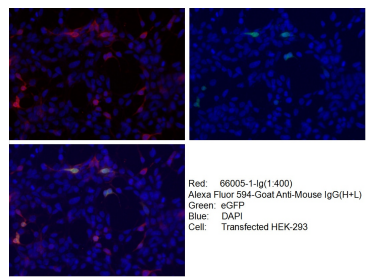
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

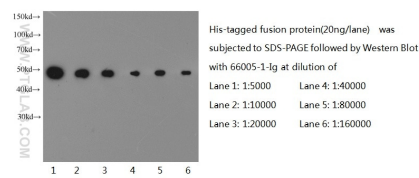
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

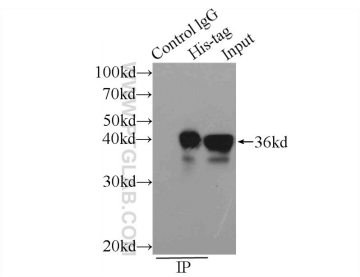
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using 66005-1-Ig (6\*His, His-Tag antibody) at dilution of 1:400 and Alexa Fluor 594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Western blot of 6\*His-tagged fusion protein with anti-6\*His tag (66005-1-Ig) at various dilutions.



IP Result of anti-6\*His, His-Tag (IP:66005-1-Ig, 7ug; Detection:66005-1-Ig 1:10000) with Transfected HEK-293 cells lysate 300ug.