

For Research Use Only

# 6\*His, His-Tag Monoclonal antibody

Catalog Number: 66005-1-Ig **435 Publications**



## Basic Information

<b>Catalog Number:</b> 66005-1-Ig	<b>GenBank Accession Number:</b> GeneID (NCBI):	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1340 µg/ml by Bradford method using BSA as the standard;	<b>Full Name:</b> <b>Calculated MW:</b> 1 kDa	<b>CloneNo.:</b> 1B7G5
<b>Source:</b> Mouse		<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IP 0.5-4.0 ug for IP and 1:5000-1:50000 for WB IF 1:200-1:800
<b>Isotype:</b> IgG1		

## Applications

<b>Tested Applications:</b> IF, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> ChIP, CoIP, ELISA, FC, IF, IHC, IP, WB	<b>WB :</b> recombinant protein,
<b>Species Specificity:</b> recombinant protein	<b>IP :</b> Transfected HEK-293 cells,
<b>Cited Species:</b> Arabidopsis, canine, E.coli, fish, human, mouse, P. lilacinum, pig, plant, polysaccharides	<b>IF :</b> Transfected HEK-293 cells,

## 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
Hao Yang	27708221	Oncotarget	
Rudolf Hergesheimer	33003404	Cells	
Jin'e Fang	27679979	Sci Rep	

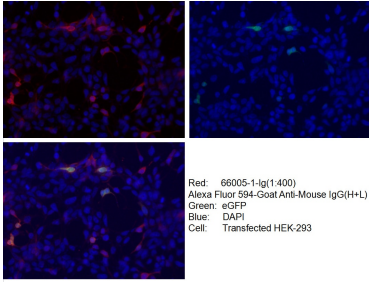
## Storage

**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

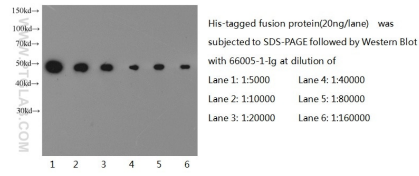
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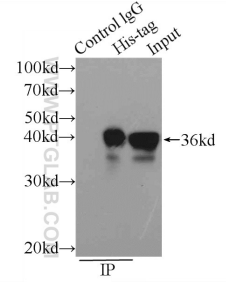
## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using 66005-1-Ig (6<sup>+</sup>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<sup>+</sup>His-tagged fusion protein with anti-6<sup>+</sup>HIS tag (66005-1-Ig) at various dilutions.



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