

For Research Use Only

HA tag Polyclonal antibody

Catalog Number: 51064-2-AP

1049 Publications



Basic Information

Catalog Number:

51064-2-AP

Concentration:

800 ug/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

GeneID (NCBI):

Full Name:

Calculated MW:

1 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:5000-1:10000

IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC: 1:50-1:500

FC (Intra): 0.25 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP, ChIP, ELISA

Species Specificity:

recombinant protein

Cited Species:

human, mouse, pig

Positive Controls:

WB : recombinant protein, Transfected HEK-293 cells

IP : Transfected HEK-293 cells,

IF/ICC : Transfected HEK-293 cells,

FC (Intra) : 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. The HA tag is corresponds to amino acid residues YPYDVPDYA of human influenza virus hemagglutinin(HA). Many recombinant proteins have been engineered to express the HA tag, which does not appear to interfere with the bioactivity or the biodistribution of the recombinant protein. This tag facilitates the detection, isolation, and purification of the proteins. The HA tag is useful in western blotting and immunohistochemical localization of expressed fusion proteins when examined with antibodies raised specifically against the HA-tag.

Notable Publications

Author	Pubmed ID	Journal	Application
Sirwan Sleman	36179070	Viral Immunol	WB,IP
Yueke Lin	36178239	EMBO Rep	WB,IP
Dayun Feng	36179025	Sci Adv	CoIP

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

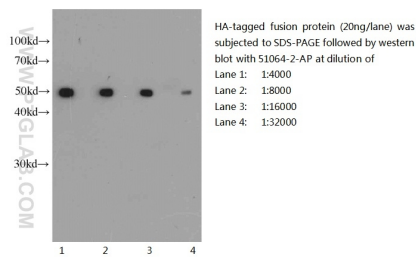
T: 4006900926

E: Proteintech-CN@ptglab.com

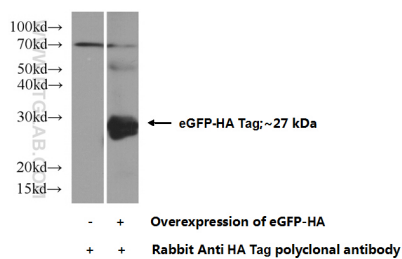
W: ptgcn.com

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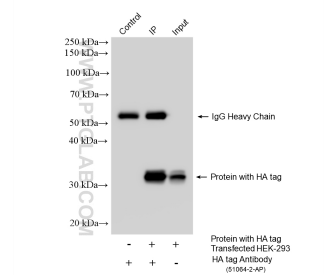
Selected Validation Data



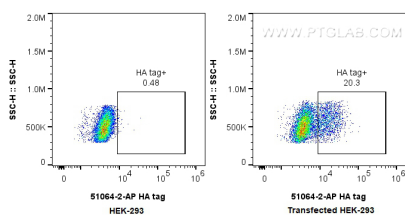
Western blot of HA-tagged fusion protein with anti-HA-tag (51064-2-AP) at various dilutions.



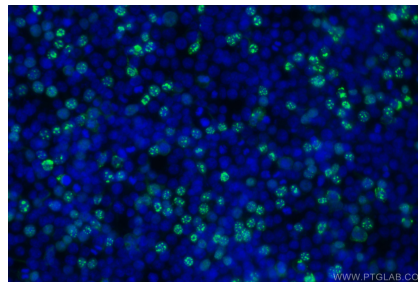
Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 51064-2-AP (HA tag antibody at dilution of 1:3000 incubated at room temperature for 1.5 hours.



IP result of anti-HA tag (IP:51064-2-AP, 4ug; Detection:51064-2-AP 1:20000) with Transfected HEK-293 cells lysate 1280 ug.



1x10⁶ Transfected HEK-293 cells were intracellularly stained with 0.25 ug HA tag Polyclonal antibody (51064-2-AP) and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), and 0.25 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using HA tag antibody (51064-2-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).