For Research Use Only

HA tag Polyclonal antibody

Catalog Number:51064-2-AP 1834 Publications

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
51064-2-AP

Size:
150ul , Concentration: 670 ug/ml by Nanodrop;

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: 1:200-1:800
FC (Intra): 0.25 ug per 10^6 cells in a 100 ul suspension

Applications

Tested Applications:
WB, IF/ICC, FC (Intra), IP, ELISA

Cited Applications:
WB, IHC, IF, IP, CoIP, ChIP, RIP, ELISA, CUT&Tag

Species Specificity:
recombinant protein

Cited Species:
human, mouse, rat, pig, monkey, yeast, c.elegans, recombinant protein

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

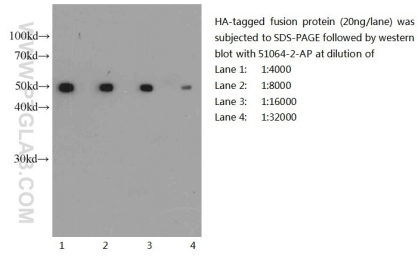
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

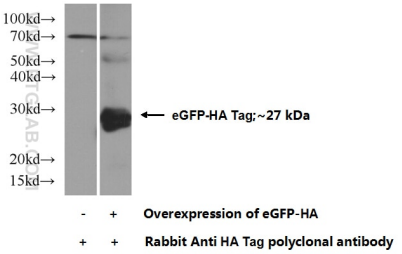
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

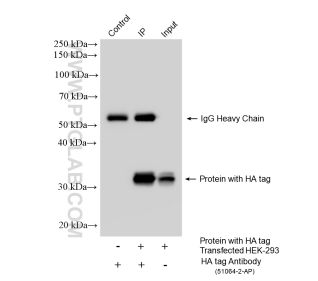
Selected Validation Data



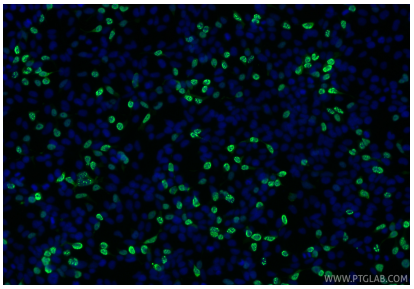
Western blot of HA-tagged fusion protein with anti-HA-tag (51064-2-AP) at various dilutions.



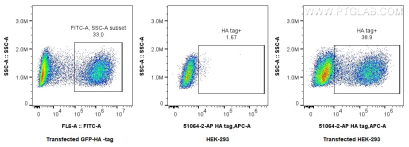
Transfected HEK-293 cells were subjected to SDS PAGE followed by western blot with 51064-2-AP (HA tag antibody at dilution of 1:3000 incubated at room temperature for 1.5 hours.



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.



Immunofluorescent analysis of (-20°C Ethanol) fixed Transfected HEK-293 cells using HA tag antibody (51064-2-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



1x10^6 Transfected HEK-293 cells were intracellularly stained with 0.25 ug HA tag Polyclonal antibody (51064-2-AP) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed and permeabilized with Intracellular Flow Cytometry Fixation & Permeabilization Buffer Kit (PF00019).