



Product datasheet

Anti-HA tag antibody [HA-7] ab49969

★★★★★ [5 Abreviews](#) [11 References](#) [3 Images](#)

Overview

Product name	Anti-HA tag antibody [HA-7]
Description	Mouse monoclonal [HA-7] to HA tag
Host species	Mouse
Tested applications	Suitable for: ELISA, ICC/IF, IP, WB
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide: YPYDVPDYA conjugated to KLH, corresponding to amino acids 98-106 of Influenza A Virus Hemagglutinin HA tag <div>  Run BLAST with  Run BLAST with </div>
Positive control	Whole extracts of transfected 293T (human embryonal kidney) cells, expressing HA-tagged fusion protein.
General notes	<p>This product was changed from ascites to tissue culture supernatant on 25th October 2016. The following lot(s) is/are from ascites and is still in stock as of 25th October 2016 - GR275412, GR177296. Lot numbers other than GR275412 and GR177296 will be from tissue culture supernatant. Please note that the dilutions may need to be adjusted accordingly.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.097% Sodium azide

	Constituents: 1% BSA, PBS
Purity	Proprietary Purification
Purification notes	Purified from Tissue culture supernatant".
Clonality	Monoclonal
Clone number	HA-7
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab49969 in the following tested applications.

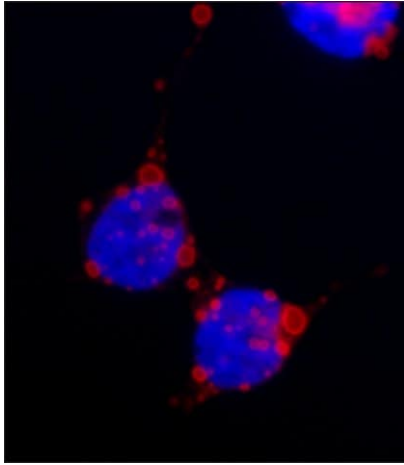
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 1 - 2 µg/ml.
IP	★★★★★ (1)	Use a concentration of 0.5 - 2 µg/ml.
WB	★★★★★ (2)	Use a concentration of 0.25 - 1 µg/ml. Predicted molecular weight: 63 kDa.

Target

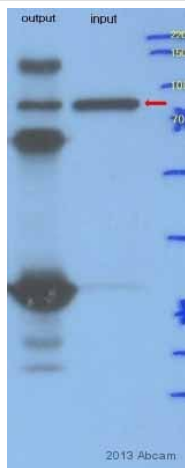
Relevance Human influenza hemagglutinin (HA) is a surface glycoprotein required for the infectivity of the human virus. The HA tag is derived from the HA molecule corresponding to amino acids 98-106 has been extensively used as a general epitope tag in expression vectors. Many recombinant proteins have 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.

Images



Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody [HA-7] (ab49969)

HEK-293 cells overexpressing N-terminal HA tagged fusion protein were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton™ X-100. Fixed cells were stained with 1 µg/mL Anti-HA tag antibody [HA-7] (ab49969). The antibody was developed using Goat Anti-Mouse IgG, Cy3™ conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.

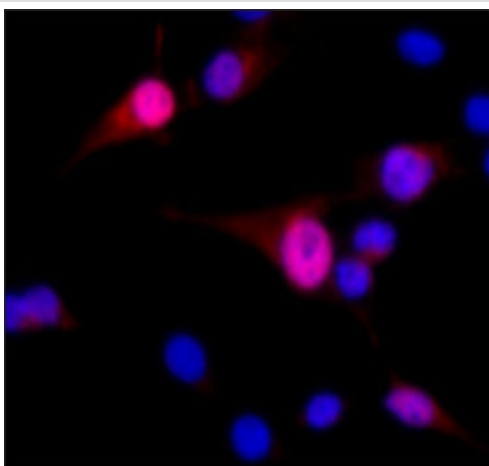


Immunoprecipitation - Anti-HA tag antibody [HA-7] (ab49969)

This image is courtesy of an anonymous Abreview

ab49969 Immunoprecipitating HA tag in HA tagged protein transfected 293T whole cell lysate. 25µg of cell lysate was incubated with primary antibody (1/2500 in lysis buffer) and matrix (Protein A/G) for 6 hours at 4°C. For western blotting **anti-mouse HRP (ab6789)** (1/10000) was used to confirm successful immunoprecipitation.

75kD is specific band for HA tagged protein. 120kD, 55kD, 35kD is non specific band for protein A/G bead.



Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody [HA-7] (ab49969)

HEK-293 cells overexpressing C-terminal HA tagged fusion protein were fixed and permeabilized with 4% paraformaldehyde followed by 0.5% Triton™ X-100. Fixed cells were stained with 1 µg/mL Anti-HA tag antibody [HA-7] (ab49969). The antibody was developed using Goat Anti-Mouse IgG, Cy3™ conjugate. Cells were counterstained with DAPI (blue) to stain nuclei.

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