abcam

Product datasheet

Anti-HA tag antibody [HA.C5] ab18181

19 Abreviews 240 References 5 Images

Overview

Product name	Anti-HA tag antibody [HA.C5]
Description	Mouse monoclonal [HA.C5] to HA tag
Host species	Mouse
Tested applications	**Suitable for:** WB, ICC/IF
Species reactivity	**Reacts with:** Species independent
Immunogen	Synthetic peptide from influenza hemagglutinin epitope: YPYDVPDYA conjugated to KLH. Run BLAST with Run BLAST with
General notes	This product was changed from ascites to tissue culture supernatant on 5th February 2018. Please note that the dilutions may need to be adjusted accordingly. If you have any questions, please do not hesitate to contact our scientific support team. 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. 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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Do Not Freeze.
Storage buffer	pH: 7.20 Preservative: 0.05% Sodium azide Constituent: PBS
Purity	Affinity purified
Purification notes	Purified from TCS
Clonality	Monoclonal

Clone number	HA.C5
Isotype	IgG3

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab18181 in the following tested applications.

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

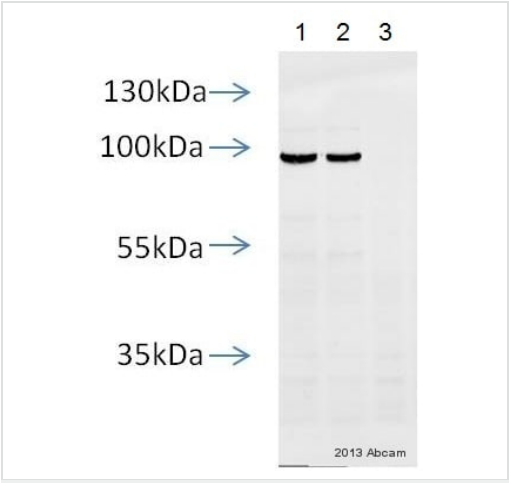
Application	Abreviews	Notes
WB	★★★★★ (12)	1/1000.
ICC/IF	★★★★☆ (4)	Use at an assay dependent concentration.

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



Western blot - Anti-HA tag antibody [HA.C5] (ab18181)

This image is courtesy of an anonymous Abreview

All lanes : Anti-HA tag antibody [HA.C5] (ab18181) at 1/1000 dilution

Lanes 1-2 : HEK293 whole cell lysate - transfected
Lane 3 : HEK293 whole cell lysate - untransfected

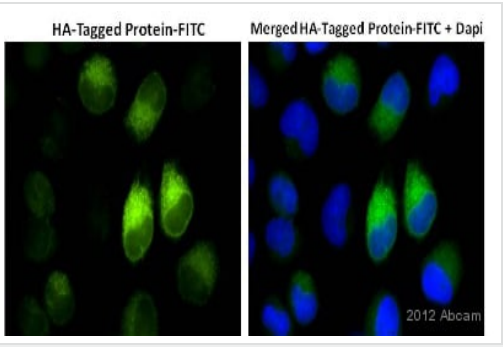
Lysates/proteins at 30 µg per lane.

Secondary
All lanes : IRDye® 800CW Goat anti-mouse IgG polyclonal at 1/10000 dilution

Performed under reducing conditions.

Observed band size: 85 kDa

Exposure time: 5 minutes

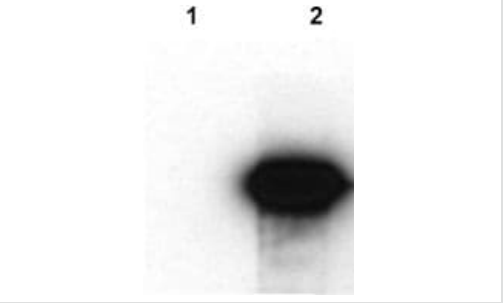


Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody [HA.C5] (ab18181)

This image is courtesy of an Abreview submitted by Harendra Chahar

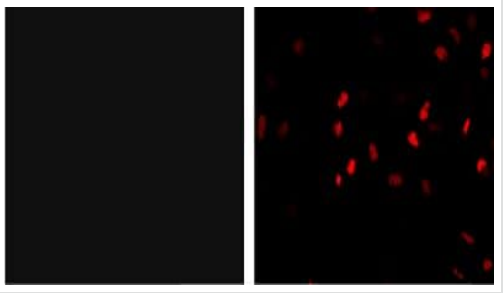
ab18181 staining HA tag (green) in HeLa cells by Immunocytochemistry/ Immunofluorescence.

Cells were fixed with paraformaldehyde, permeabilized with 0.5% Triton X-100 and blocked with 3% BSA for 1 hour at 22°C. Samples were incubated with primary antibody (1/1000 in diluent) for 1 hour at 22°C. A FITC-conjugated goat anti-mouse polyclonal IgG (1/1000) was used as the secondary antibody. Nuclei were stained with DAPI (blue).



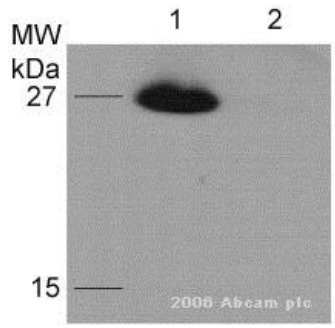
Western blot - Anti-HA tag antibody [HA.C5] (ab18181)

Western blot using ab18181 of 293 cells transfected with HA-tagged vector(2) and untransfected control (1). Western blot using ab18181 of 293 cells transfected with HA-tagged vector(2) and untransfected control (1).



Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody [HA.C5] (ab18181)

Immunofluorescence using ab18181 staining a HA-tag fusion protein (transcription factor) in a stable expressing cell line (right hand panel) and control cell line (left hand panel).



Western blot - Anti-HA tag antibody [HA.C5] (ab18181)

This image is courtesy of an anonymous Abreview

All lanes : Anti-HA tag antibody [HA.C5] (ab18181) at 1/2000 dilution

Lane 1 : WCE from cell line transfected for HA-tagged protein
Lane 2 : WCE from a cell line transfected with empty vector

Lysates/proteins at 50 µg per lane.

Secondary
All lanes : HRP conjugated Goat anti-mouse IgG (H+L)

Developed using the ECL technique.

Performed under reducing conditions.

Exposure time: 10 seconds

Incubation with the primary antibody was carried out at 4°C overnight, whilst the secondary antibody was incubated for 1 hour at room temperature.

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