

## Product datasheet

# Anti-HA tag antibody [HA.C5] ab18181

★★★★☆ 18 Abreviews 88 References 5 Images

### Overview

<b>Product name</b>	Anti-HA tag antibody [HA.C5]
<b>Description</b>	Mouse monoclonal [HA.C5] to HA tag
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> ChIP/Chip, WB, ICC, IP, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Species independent
<b>Immunogen</b>	Synthetic peptide from influenza hemagglutinin epitope: YPYDVPDYA conjugated to KLH.

 [Run BLAST with](#)

 [Run BLAST with](#)

<b>General notes</b>	<p>This product was changed from ascites to tissue culture supernatant on 5<sup>th</sup> 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.</p> <p>Abcam recommended secondaries - Goat Anti-Mouse HRP (<a href="#">ab205719</a>) and Goat Anti-Mouse Alexa Fluor® 488 (<a href="#">ab150113</a>).</p> <p>See other <a href="#">anti-mouse secondary antibodies</a> that can be used with this antibody.</p>
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### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.05% Sodium Azide Constituents: PBS, pH 7.4
<b>Purity</b>	Affinity purified
<b>Purification notes</b>	Purified from TCS
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	HA.C5
<b>Isotype</b>	IgG3

## Applications

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.

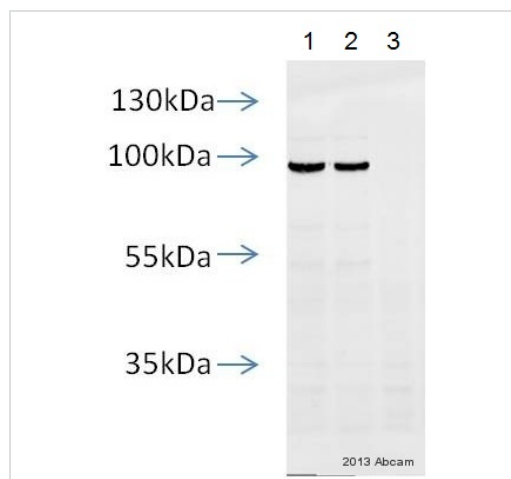
Application	Abreviews	Notes
ChIP/Chip		Use at an assay dependent concentration. PubMed: 19581286
WB	★★★★★	1/1000.
ICC		1/200.
IP	★★★★☆	Use at an assay dependent concentration.
ICC/IF	★★★★☆	Use at an assay dependent concentration.

## 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

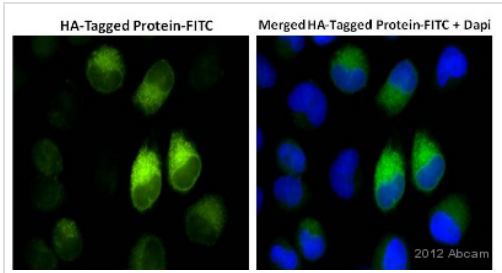
**All lanes** : IRDye® 800CW Goat anti-mouse IgG polyclonal at 1/10000 dilution

Performed under reducing conditions.

**Observed band size:** 85 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 5 minutes

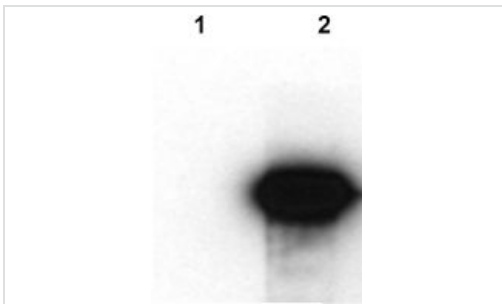


Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody [HA.C5] (ab18181)

This image is courtesy of an Abreview submitted by Harendra Chahar

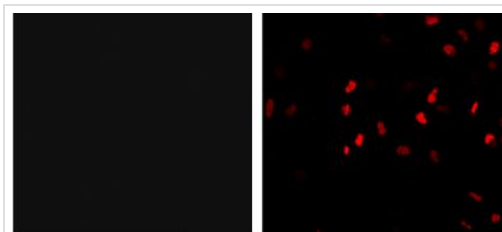
ab18181 staining HA tag (green) in HeLa cells by Immunocytochemistry/ Immunofluorescence.

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).



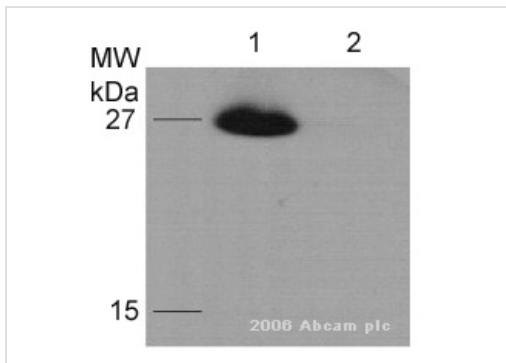
Western blot - Anti-HA tag antibody [HA.C5] (ab18181)

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.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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