

Product datasheet

Anti-HA tag antibody ab9111

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Overview

Product name	Anti-HA tag antibody
Description	Chicken polyclonal to HA tag
Host species	Chicken
Specificity	ELISA: this antibody diluted at 1:20,000 gave an O.D.= 1.0 in a 15 minute reaction against peptide conjugated to a different carrier than used for anti peptide purification. HRP conjugated goat anti chicken IgG (IgY) was used and TMB was the substrate.
Tested applications	Suitable for: WB, ELISA, ICC/IF
Species reactivity	Reacts with: Species independent
Immunogen	Synthetic peptide corresponding to Influenza A HA tag conjugated to keyhole limpet haemocyanin. Influenza hemagglutinin-HA (epitope) Run BLAST with EXPASY Run BLAST with NCBI
Positive control	ICC/IF: CHO cells transfected with 12 tags constructs (CHO-12 tags) and transfected with GFP-HA constructs (CHO-GFP-HA).
General notes	<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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.20 Preservative: 0.1% Sodium azide
Purity	IgY fraction
Purification notes	Antibodies were immunoaffinity purified using the peptide immobilized on a solid support.
Clonality	Polyclonal

Isotype	unknown
Light chain type	unknown

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab9111 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

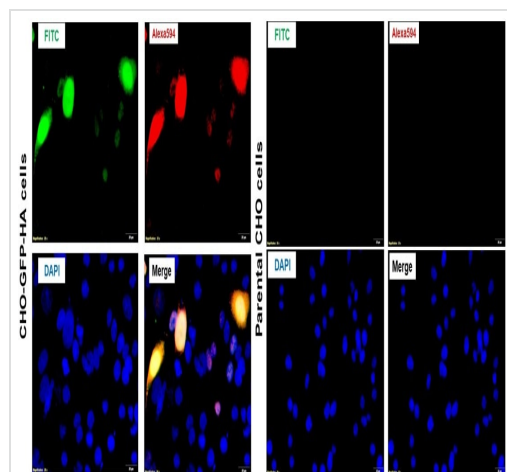
Application	Abreviews	Notes
WB		1/1000.
ELISA		Use at an assay dependent concentration.
ICC/IF		Use a concentration of 4 - 5 µg/ml.

Target

Relevance

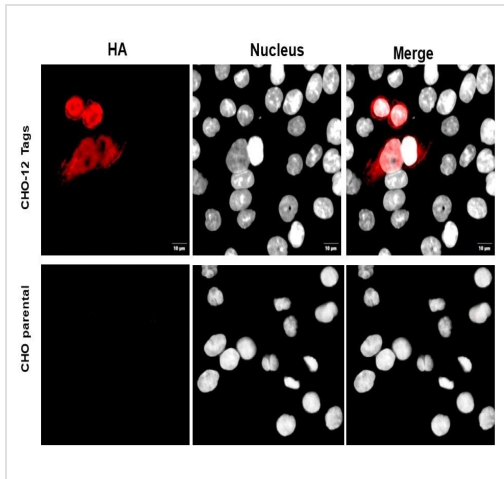
Human influenza hemagglutinin (HA) is a surface glycoprotein required for the infectivity of the human virus. The HA tag is derived from the HA molecule corresponding to amino acids 98-106 has been extensively used as a general epitope tag in expression vectors. Many recombinant proteins have been engineered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



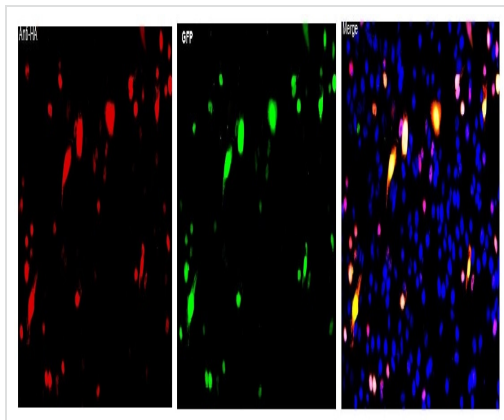
Immunofluorescent analysis of 4% paraformaldehyde (PFA)-fixed, permeabilised with 0.1% Triton X-100 in cells transfected with GFP-HA constructs (as CHO-GFP-HA) or parental non-transfected CHO cells labelling with chicken anti-HA tag (ab9111) at 5µg/ml, followed by Goat Anti-Chicken IgY (H&L), Alexa594 conjugated antibody at 2.5µg/ml (Red). Nucleus was counterstained with DAPI (Blue).

Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody (ab9111)



Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody (ab9111)

Immunofluorescent analysis of 4% paraformaldehyde (PFA) -fixed, permeabilized with 0.1% Triton X-100 CHO cells transfected with 12 tags constructs (CHO-12 tags) labelling HA tag with ab9111 at 1/250 dilution (4µg/mL), followed by Goat Anti-Chicken IgY (H&L), Alexa594 conjugated antibody at 1/500 dilution (2 µg/mL) (Red). Nucleus was counterstained with DAPI (white). Bottom panel images showed Parallel staining in parental CHO cell line.



Immunocytochemistry/ Immunofluorescence - Anti-HA tag antibody (ab9111)

Immunofluorescent analysis of 4% paraformaldehyde (PFA) - fixed, permeabilized with 0.1% Triton X-100 CHO cells transfected with GFP-HA constructs (CHO-GFP-HA) labelling HA tag with ab9111 at 5µg/mL, followed by Goat Anti- Chicken IgY (H&L), Alexa594 conjugated antibody at 2.5 µg/mL (Red). Nucleus was counterstained with DAPI (Blue).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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