

Product datasheet

Anti-Hsp90 alpha antibody [5G5] ab128483

6 Images

Overview

Product name	Anti-Hsp90 alpha antibody [5G5]
Description	Mouse monoclonal [5G5] to Hsp90 alpha
Host species	Mouse
Tested applications	Suitable for: WB, ELISA, IHC-P, Flow Cyt
Species reactivity	Reacts with: Mouse, Human, Monkey
Immunogen	Purified recombinant fragment of Human Hsp90 alpha expressed in <i>E. coli</i> .
Positive control	Human Hsp90 alpha (amino acids 275-484) recombinant protein; NIH 3T3, HeLa, HCT116, HL60, SK-Br-3, C6 and C0S7 cell lysates Flow Cyt: HeLa cells IHC-P: Lung cancer tissue

General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

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, as well as customer reviews and Q&As.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.05% Sodium azide Constituent: 99% PBS Contains 0.5% protein stabilizer.
Purity	Protein G purified
Purification notes	Purified from tissue culture supernatant.
Clonality	Monoclonal
Clone number	5G5
Isotype	IgG1

Applications

Our [Abpromise guarantee](#) covers the use of **ab128483** in the following tested applications.

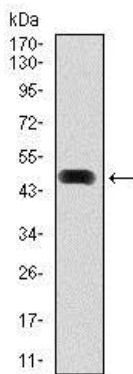
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 85 kDa.
ELISA		1/10000.
IHC-P		1/200 - 1/1000.
Flow Cyt		1/200 - 1/400. ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function	Molecular chaperone. Has ATPase activity.
Sequence similarities	Belongs to the heat shock protein 90 family.
Post-translational modifications	ISGylated.
Cellular localization	Cytoplasm. Melanosome. Identified by mass spectrometry in melanosome fractions from stage I to stage IV.

Images

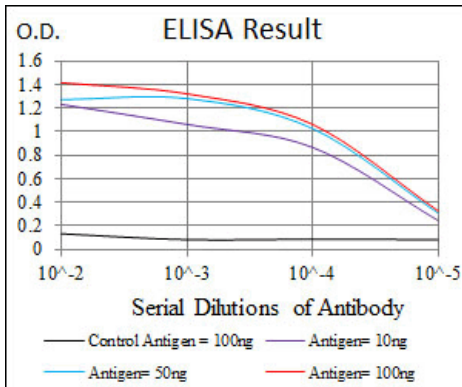


Western blot - Anti-Hsp90 alpha antibody [5G5]
(ab128483)

Anti-Hsp90 alpha antibody [5G5] (ab128483) at 1/500 dilution +
Human Hsp90 alpha (amino acids 275-484) recombinant protein

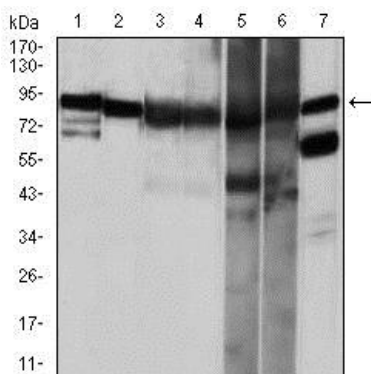
Predicted band size: 85 kDa

Expected MWt of recombinant protein is 50.5 kDa.



ELISA - Anti-Hsp90 alpha antibody [5G5]
(ab128483)

ELISA using ab128483.



Western blot - Anti-Hsp90 alpha antibody [5G5]
(ab128483)

All lanes : Anti-Hsp90 alpha antibody [5G5] (ab128483) at 1/500
dilution

Lane 1 : NIH 3T3 cell lysate

Lane 2 : HeLa cell lysate

Lane 3 : HCT116 cell lysate

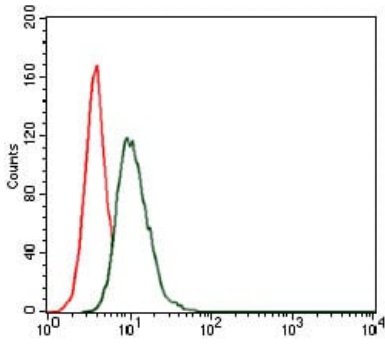
Lane 4 : HL-60 cell lysate

Lane 5 : SK-Br-3 cell lysate

Lane 6 : C6 cell lysate

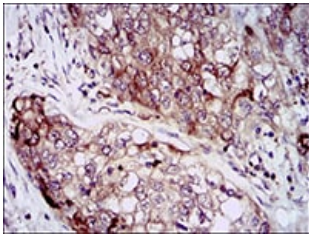
Lane 7 : COS7 cell lysate

Predicted band size: 85 kDa



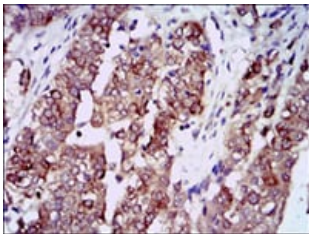
Flow Cytometry - Anti-Hsp90 alpha antibody [5G5]
(ab128483)

ab128483, at a 1/200 dilution, staining Hsp90 alpha in HeLa cells by Flow Cytometry (green). Negative control is shown in red.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 alpha antibody [5G5] (ab128483)

ab128483, at a 1/200 dilution, staining Hsp90 alpha in paraffin embedded lung cancer tissue by Immunohistochemistry, with DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp90 alpha antibody [5G5] (ab128483)

ab128483, at a 1/200 dilution, staining Hsp90 alpha in paraffin embedded lung cancer tissue by Immunohistochemistry, with DAB staining.

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

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