

Anti-MDMX/MDM4 (phospho S367) antibody [15] ab122926

[2 References](#) [1 Image](#)

Overview

Product name	Anti-MDMX/MDM4 (phospho S367) antibody [15]
Description	Mouse monoclonal [15] to MDMX/MDM4 (phospho S367)
Host species	Mouse
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	MCF cells reincubated with the proteasome inhibitor MG132 (20 uM) and exposed to DNA damaging agent, adriamycin (3 uM) or etoposide (20 uM).
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. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	pH: 6 Constituents: 49% PBS, 50% Glycerol
Purity	Ion Exchange Chromatography
Clonality	Monoclonal
Clone number	15
Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab122926 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		Use a concentration of 1 µg/ml. Predicted molecular weight: 55 kDa.

Target

Function

Inhibits p53/TP53- and TP73/p73-mediated cell cycle arrest and apoptosis by binding its transcriptional activation domain. Inhibits degradation of MDM2. Can reverse MDM2-targeted degradation of TP53 while maintaining suppression of TP53 transactivation and apoptotic functions.

Tissue specificity

Expressed in all tissues tested with high levels in thymus.

Sequence similarities

Belongs to the MDM2/MDM4 family.
Contains 1 RanBP2-type zinc finger.
Contains 1 RING-type zinc finger.
Contains 1 SWIB domain.

Domain

Region I is sufficient for binding TP53 and inhibiting its G1 arrest and apoptosis functions. It also binds TP73. Region II contains most of a central acidic region and a putative C4-type zinc finger. The RING finger domain which coordinates two molecules of zinc mediates the heterooligomerization with MDM2.

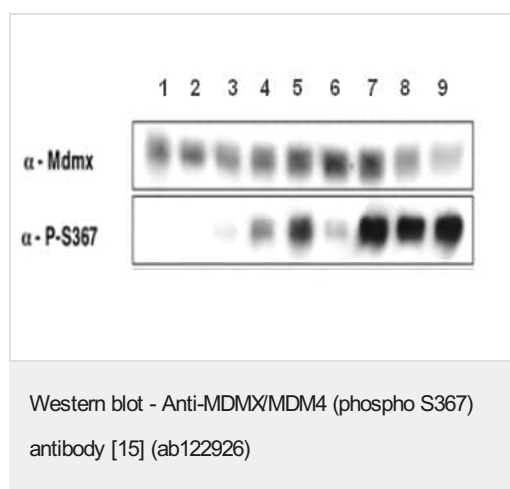
Post-translational modifications

Ubiquitinated. Deubiquitinated by USP2; leading to stabilize it.

Cellular localization

Nucleus.

Images



All lanes : Anti-MDMX/MDM4 (phospho S367) antibody [15] (ab122926) at 1 µg/ml

Lane 1 : MCF cells preincubated with the proteasome inhibitor MG132 (20 µM)

Lane 2 : MCF cells preincubated with the proteasome inhibitor MG132 (20 µM), exposed to adriamycin (3 µM) for 1 hour

Lane 3 : MCF cells preincubated with the proteasome inhibitor MG132 (20 µM), exposed to adriamycin (3 µM) for 2 hour

Lane 4 : MCF cells preincubated with the proteasome inhibitor MG132 (20 µM), exposed to adriamycin (3 µM) for 3 hour

Lane 5 : MCF cells preincubated with the proteasome inhibitor MG132 (20 µM), exposed to adriamycin (3 µM) for 4 hour

Lane 6 : MCF cells preincubated with the proteasome inhibitor

MG132 (20 μ M), exposed to etoposide (20 μ M) for 1 hour

Lane 7 : MCF cells preincubated with the proteasome inhibitor

MG132 (20 μ M), exposed to etoposide (20 μ M) for 2 hour

Lane 8 : MCF cells preincubated with the proteasome inhibitor

MG132 (20 μ M), exposed to etoposide (20 μ M) for 3 hour

Lane 9 : MCF cells preincubated with the proteasome inhibitor

MG132 (20 μ M), exposed to etoposide (20 μ M) for 4 hour

Predicted band size: 55 kDa

The upper lanes show incubation with a non-phosphos antibody to MDMX/MDM4. The lower lanes as indicated above.

The cell lysates were immunoprecipitated with another anti-MDMX/MDM4 antibody before western blotting.

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

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