

Product datasheet

Anti-MARCKS (phospho S158) antibody [EP2113Y] ab81295

RabMAb

[6 References](#) [3 Images](#)

Overview

Product name	Anti-MARCKS (phospho S158) antibody [EP2113Y]
Description	Rabbit monoclonal [EP2113Y] to MARCKS (phospho S158)
Host species	Rabbit
Specificity	This antibody only detects MARCKS phosphorylated at serine 158.
Tested applications	Suitable for: WB Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide within Human MARCKS. The exact sequence is proprietary.
Positive control	Hela cell lysates treated with TPA.
General notes	

Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to [RabMAb[®] patents](#).

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

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 repeated freeze / thaw cycles.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EP2113Y
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab81295** in the following tested applications.

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

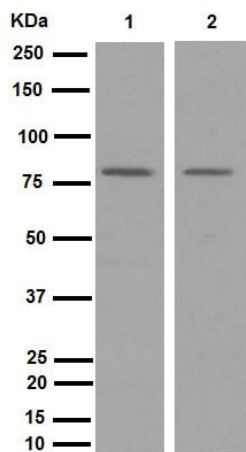
Application	Abreviews	Notes
WB		1/1000 - 1/10000. Predicted molecular weight: 32 kDa.

Application notes Is unsuitable for ICC/IF or IHC-P.

Target

Function	MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.
Sequence similarities	Belongs to the MARCKS family.
Post-translational modifications	Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity.
Cellular localization	Cytoplasm > cytoskeleton. Membrane.

Images



Western blot - Anti-MARCKS (phospho S158) antibody [EP2113Y] (ab81295)

All lanes : Anti-MARCKS (phospho S158) antibody [EP2113Y] (ab81295) at 1/2000 dilution (purified)

Lane 1 : Rat brain

Lane 2 : Mouse brain

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

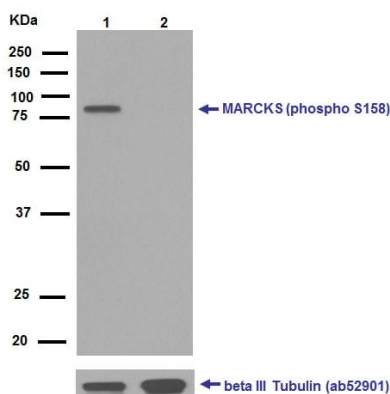
Predicted band size: 32 kDa

Observed band size: 87 kDa

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

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Western blot - Anti-MARCKS (phospho S158) antibody [EP2113Y] (ab81295)

All lanes : Anti-MARCKS (phospho S158) antibody [EP2113Y] (ab81295) at 1/10000 dilution (purified)

Lane 1 : HEK293 cells treated with TPA

Lane 2 : HEK293 cells treated with TPA, and the PVDF membrane treated with lambda phosphatase 10ug

Lysates/proteins at 10 µg per lane.

Secondary

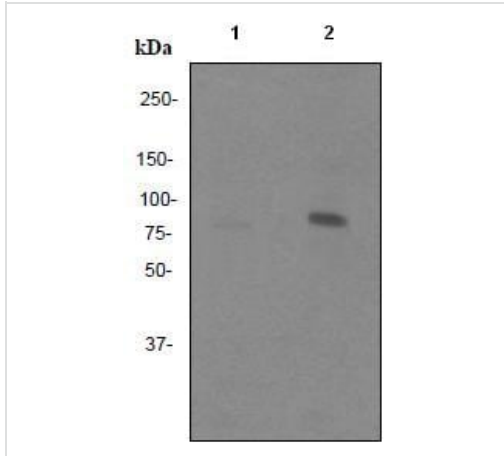
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 32 kDa

Observed band size: 87 kDa [why is the actual band size different from the predicted?](#)

Blocking buffer: 5% NFDm/TBST

Dilution buffer: 5% NFDm/TBST



Western blot - Anti-MARCKS (phospho S158) antibody [EP2113Y] (ab81295)

All lanes : Anti-MARCKS (phospho S158) antibody [EP2113Y] (ab81295) at 1/2000 dilution (unpurified)

Lane 1 : HeLa cell lysates, untreated.

Lane 2 : HeLa cell lysates treated with TPA.

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti rabbit at 1/2000 dilution

Predicted band size: 32 kDa

Observed band size: 87 kDa [why is the actual band size different from the predicted?](#)

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

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