

Product datasheet

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

Recombinant RabMAb

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

Overview

Product name	Anti-MARCKS (phospho S158) antibody [EP2113Y]
Description	Rabbit monoclonal [EP2113Y] to MARCKS (phospho S158)
Host species	Rabbit
Tested applications	Suitable for: WB Unsuitable for: ICC/IF or IHC-P
Species reactivity	Reacts with: Mouse, Rat, Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Hela cell lysates treated with TPA.
General notes	<p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <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. 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

The Abpromise guarantee 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

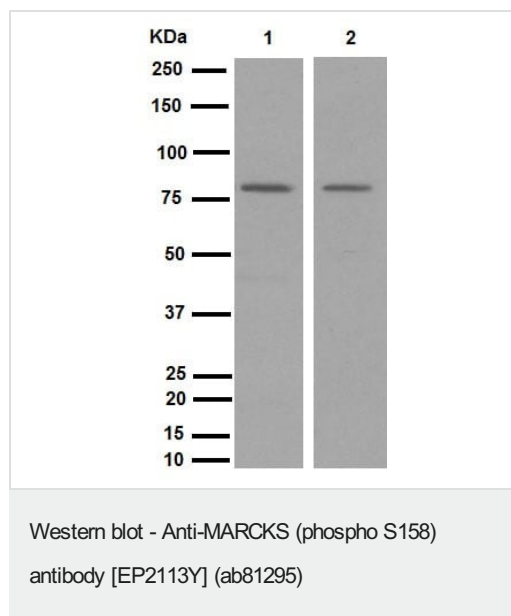
Function MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.

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



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

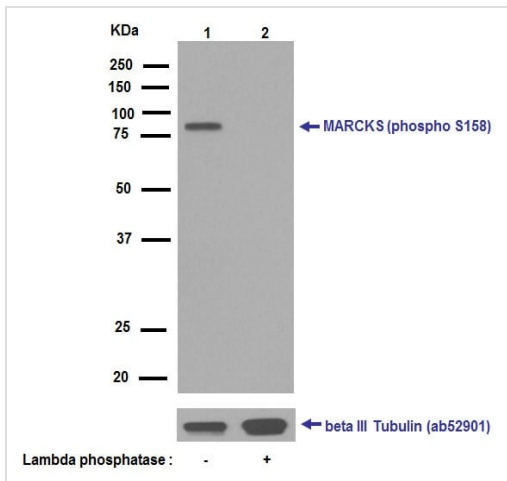
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 32 kDa

Observed band size: 87 kDa

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

Lysates/proteins at 10 µg per lane.

Secondary

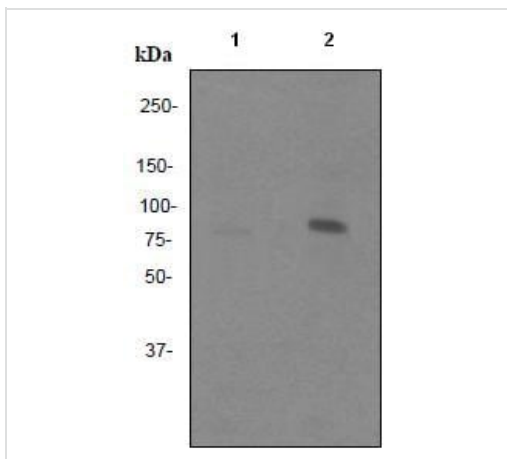
All lanes : HRP goat anti-rabbit (H+L) at 1/1000 dilution

Predicted band size: 32 kDa

Observed band size: 87 kDa

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

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

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