

Product datasheet

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ARG11133 anti-MARCKS antibody

Package: 50 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes MARCKS

Tested Reactivity Hu

Species Does Not React With Ms, Rat

Tested Application ICC/IF, WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name MARCKS

Species Human

 Immunogen
 Full-length recombinant Human MARCKS.

Conjugation Un-conjugated

Alternate Names MACS; 80K-L; Myristoylated alanine-rich C-kinase substrate; PKCSL; Protein kinase C substrate, 80 kDa

protein, light chain; 80K-L protein; MARCKS; PRKCSL

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:500 - 1:1000
	WB	1:10000 - 1:20000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	HEK293, HeLa and SH-SY5Y	
Observed Size	~ 80 kDa	

Properties

Form Liquid

Purification Affinity purified.

Buffer PBS, 5 mM Sodium azide and 50% Glycerol.

Preservative 5 mM Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

Gene Symbol MARCKS

Gene Full Name myristoylated alanine-rich protein kinase C substrate

Background The protein encoded by this gene is a substrate for protein kinase C. It is localized to the plasma

membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis,

membrane trafficking and mitogenesis. [provided by RefSeq, Jul 2008]

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. [UniProt]

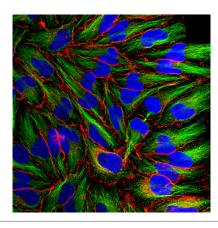
Calculated Mw 32 kDa

PTM Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking

activity. [UniProt]

Cellular Localization Cytoplasm, cytoskeleton. Membrane; Lipid-anchor. [UniProt]

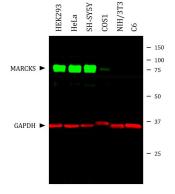
Images



ARG11133 anti-MARCKS antibody ICC/IF image

Immunofluorescence: HeLa cells stained with ARG11133 anti-MARCKS antibody (red) at 1:1000 dilution, and co-stained with antibeta Tubulin antibody (green) at 1:10000 dilution. DAPI (blue) for nuclear staining.

The MARCKS antibody recognizes protein localized in the plasma membrane and cytoplasm, while the beta Tubulin antibody stains the network of cytoplasmic microtubules.



ARG11133 anti-MARCKS antibody WB image

Western blot: HEK293, HeLa, SH-SY5Y, COS1, NIH/3T3 and C6 cell lysates stained with ARG11133 anti-MARCKS antibody (green) at 1:1000 dilution and <u>ARG52320</u> anti-GAPDH antibody [1D4] (red) at 1:5000 dilution.