

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	

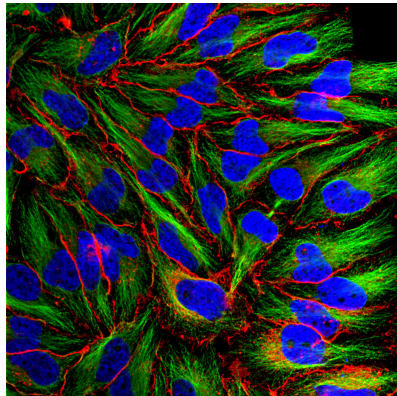
Properties

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]

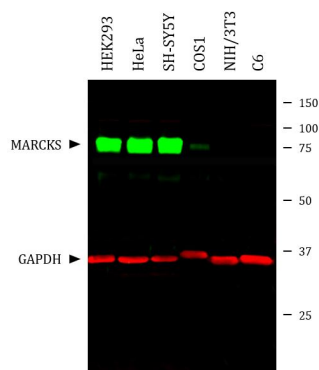
Images



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 anti-beta 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 [ARG52320](#) anti-GAPDH antibody [1D4] (red) at 1:5000 dilution.