

ARG51772 anti-MARCKS phospho (Ser158) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MARCKS phospho (Ser158)
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MARCKS
Species	Human
Immunogen	Peptide sequence around phosphorylation site of serine 158 (R-F-S(p)-F-K) derived from 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	1:100 - 1:200
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

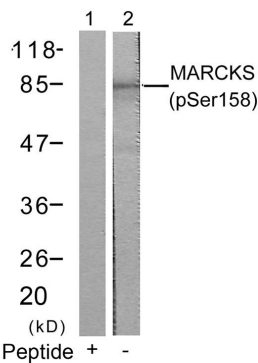
Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
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

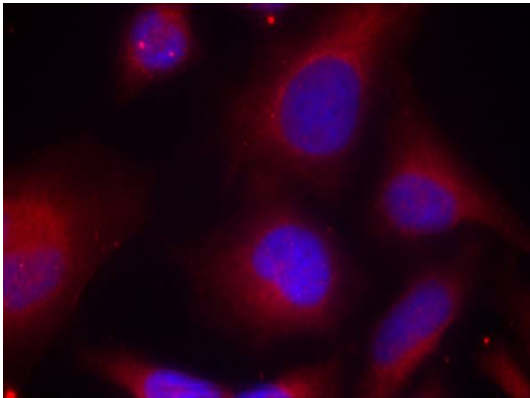
Gene Symbol	MARCKS
Gene Full Name	myristoylated alanine-rich protein kinase C substrate
Background	MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.
Function	MARCKS is the 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]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	32 kDa
PTM	Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity.

Images



ARG51772 anti-MARCKS phospho (Ser158) antibody WB image

Western blot: Extracts from 3T3 cells stained with ARG51772 anti-MARCKS phospho (Ser158) antibody (Lane 2) and the same antibody preincubated with blocking peptide (Lane1).



ARG51772 anti-MARCKS phospho (Ser158) antibody ICC/IF image

Immunofluorescence: methanol-fixed HeLa cells stained with ARG51772 anti-MARCKS phospho (Ser158) antibody.