ARG52330
anti-MARCKS phospho (Ser152 / Ser156) antibody

Package: 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MARCKS phospho (Ser152 / Ser156)
Tested Reactivity	Rat
Predict Reactivity	Hu, Ms, Bov, Chk, Xenopus laevis, Zfsh
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MARCKS
Species	Rat
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser152/156 conjugated to KLH
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
WB	1:1000

Application Note: Specific for the ~87k MARCKS protein phosphorylated at Ser152 and Ser156 in Western blots. Immunolabeling is blocked by the phosphopeptide used as the antigen but not by the corresponding dephosphopeptide. The immunolabeling is completely eliminated by λ-phosphatase
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

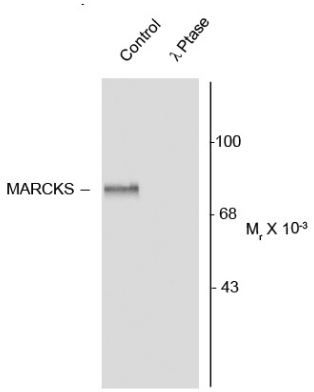
Properties

Form	Liquid
Purification	Affinity Purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 25603 Rat
Gene Symbol	Marcks
Gene Full Name	myristoylated alanine rich protein kinase C substrate
Background	Myristoylated Alanine-Rich C Kinase Substrate (MARCKS) is a major substrate for phosphorylation by protein kinase C (PKC) (Ouimet et al., 1990). The phosphorylation of Ser152/156 can be used as a measure of PKC activation although these sites are also phosphorylated by PRK1 (Palmer et al., 1996) MARCKS is a member of a family of calmodulin binding proteins and phosphorylation of Ser152/156 modulates the binding of MARCKS to calmodulin (Verghese et al., 1994).
Highlight	Related Antibody Duos and Panels: ARG30216 Phospho MARCKS Antibody Duo for Rat (Total, pS152/156) Related products: MARCKS antibodies; MARCKS Duos / Panels; Anti-Rabbit IgG secondary antibodies;
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



ARG52330 anti-MARCKS phospho (Ser152 / Ser156) antibody WB image

Western blot: Rat brain lysate showing phospho-specific immunolabeling of the ~87k MARCKS protein stained with ARG52330 anti-MARCKS phospho (Ser152 / Ser156) antibody.