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MARCKSL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP16792b

Product Information

Application	WB, E
Primary Accession	P49006
Other Accession	Q9EPH2, P35566, P28667, Q0VBZ9, NP_075385.1
Reactivity	Human
Predicted	Bovine, Mouse, Rabbit, Rat, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB36249
Calculated MW	19529
Antigen Region	132-160

Additional Information

Gene ID	65108
Other Names	MARCKS-related protein, MARCKS-like protein 1, Macrophage myristoylated alanine-rich C kinase substrate, Mac-MARCKS, MacMARCKS, MARCKSL1, MLP, MRP
Target/Specificity	This MARCKSL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 132-160 amino acids from the C-terminal region of human MARCKSL1.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MARCKSL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MARCKSL1
Synonyms	MLP, MRP

Function	Controls cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation (PubMed:22751924). When unphosphorylated, induces cell migration (By similarity). When phosphorylated by MAPK8, induces actin bundles formation and stabilization, thereby reducing actin plasticity, hence restricting cell movement, including neuronal migration (By similarity). May be involved in coupling the protein kinase C and calmodulin signal transduction systems (By similarity).
Cellular Location	Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P28667}. Cell membrane; Lipid- anchor. Note=Associates with the membrane via the insertion of the N-terminal N-myristoyl chain and the partial insertion of the effector domain. Association of the effector domain with membranes may be regulated by Ca(2+)/calmodulin. Colocalizes with F-actin at the leading edge of migrating cells (By similarity). In prostate cancers, shows strong expression at apical and/or basal regions of the cell and also has weak cytoplasmic expression (PubMed:22751924). {ECO:0000250|UniProtKB:P28667, ECO:0000269|PubMed:22751924}

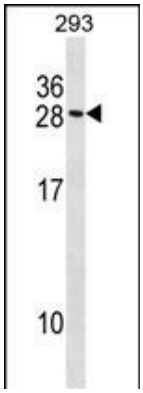
Background

MARCKSL1 may be involved in coupling the protein kinase C and calmodulin signal transduction systems.

References

Sugiyama, N., et al. Mol. Cell Proteomics 6(6):1103-1109(2007)
Olsen, J.V., et al. Cell 127(3):635-648(2006)
Jordanova, A., et al. Nat. Genet. 38(2):197-202(2006)
Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004)
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Images



MARCKSL1 Antibody (C-term) (Cat. #AP16792b) western blot analysis in 293 cell line lysates (35ug/lane).This demonstrates the MARCKSL1 antibody detected the MARCKSL1 protein (arrow).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.