

# MARCKSL1 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP16792b

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">P49006</a>
<b>Other Accession</b>	<a href="#">Q9EPH2</a> , <a href="#">P35566</a> , <a href="#">P28667</a> , <a href="#">Q0VBZ9</a> , <a href="#">NP_075385.1</a>
<b>Reactivity</b>	Human
<b>Predicted</b>	Bovine, Mouse, Rabbit, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB36249
<b>Calculated MW</b>	19529
<b>Antigen Region</b>	132-160

## Additional Information

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<b>Gene ID</b>	65108
<b>Other Names</b>	MARCKS-related protein, MARCKS-like protein 1, Macrophage myristoylated alanine-rich C kinase substrate, Mac-MARCKS, MacMARCKS, MARCKSL1, MLP, MRP
<b>Target/Specificity</b>	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.
<b>Dilution</b>	WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	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.
<b>Storage</b>	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.
<b>Precautions</b>	MARCKSL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	MARCKSL1
<b>Synonyms</b>	MLP, MRP

<b>Function</b>	Controls cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation (PubMed: <a href="#">22751924</a> ). 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).
<b>Cellular Location</b>	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}

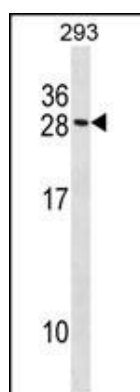
## Background

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'.