# MARCKSL1 Antibody – Rabbit Polyclonal

## PRODUCT OVERVIEW

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| **Product Name** | MARCKSL1, Polyclonal Antibody |
| **Full Product Name** | MARCKSL1, CT (MARCKSL1, MLP, MRP, MARCKS-related protein, MARCKS-like protein 1, Macrophage myristoylated alanine-rich C kinase substrate) (MaxLight 650) |
| **Product Gene Name** | anti-MARCKSL1 antibody |
| **Product Synonym Names** | MARCKSL1; MLP; MRP; MARCKS-related protein; MARCKS-like protein 1; Macrophage myristoylated alanine-rich C kinase substrate |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Host** | Rabbit |
| **Species Reactivity** | Human |
| **Form/Format** | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650. |
| **Purity/Purification** | Purified by Protein A Affinity Chromatography. |
| **Preparation and Storage** | Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap. |
| **Molecular Weight** | 19,529 Da |
| **OMIM** | 602940 |
| **3D Structure** | ModBase 3D Structure for P49006 |
| **Immunogen** | MARCKSL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 131-160 amino acids from the C-terminal region of human MARCKSL1. |
| **Conjugate** | MaxLight650 |
| **Note** | Preservative Free |
| **Product Categories/Family for anti-MARCKSL1 antibody** | Antibodies; Protein Kinases |
| **Applications Tested/Suitable for anti-MARCKSL1 antibody** | Western Blot (WB), FLISA |
| **Application Notes for anti-MARCKSL1 antibody** | WB: 1:100-500<br>FLISA: 1:1,000<br>Applications are based on unconjugated antibody. |
| **Related Product Information for anti-MARCKSL1 antibody** | MARCKSL1 may be involved in coupling the protein kinase C and calmodulin signal transduction systems. |
| **Product References and Citations for anti-MARCKSL1 antibody** | 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). Ballif, B.A., et al. Mol. Cell Proteomics 3(11):1093-1101(2004). |
| **Other Notes** | Small volumes of anti-MARCKSL1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

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| **Searchable Terms for MARCKSL1 purchase** | MBS6319009 is an antibody targeting MARCKSL1. Also known as MARCKSL1, CT (MARCKSL1, MLP, MRP, MARCKS-related protein, MARCKS-like protein 1, Macrophage myristoylated alanine-rich C kinase substrate) (MaxLight 650). Reactive in Human. Host: Rabbit. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MARCKSL1. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 13491174 |
| **NCBI GeneID** | 65108 |
| **NCBI Accession #** | NP_075385.1 |
| **UniProt Primary Accession #** | P49006 |
| **UniProt Secondary Accession #** | Q5TEE6; Q6NXS5; D3DPQ0 |
| **UniProt Related Accession #** | P49006 |
| **GenBank Nucleotide #** | NM_023009.6 |
| **NCBI Official Full Name** | MARCKS-related protein |
| **NCBI Official Synonym Full Names** | MARCKS-like 1 |
| **NCBI Official Symbol** | MARCKSL1 |
| **NCBI Official Synonym Symbols** | F52; MLP; MRP; MLP1; MACMARCKS |
| **UniProt Protein Name** | MARCKS-related protein |
| **UniProt Synonym Protein Names** | MARCKS-like protein 1; Macrophage myristoylated alanine-rich C kinase substrate; Mac-MARCKS; MacMARCKS |
| **Protein Family** | MARCKS-related protein |
| **UniProt Gene Name** | MARCKSL1 |
| **UniProt Synonym Gene Names** | MLP; MRP; Mac-MARCKS; MacMARCKS |
| **UniProt Entry Name** | MRP_HUMAN |
| **NCBI Protein Information** | MARCKS-related protein; MARCKS-like protein 1; mac-MARCKS; macrophage myristoylated alanine-rich C kinase substrate |
| **NCBI Summary for MARCKSL1** | This gene encodes a member of the myristoylated alanine-rich C-kinase substrate (MARCKS) family. Members of this family play a role in cytoskeletal regulation, protein kinase C signaling and calmodulin signaling. The encoded protein affects the formation of adherens junction. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are located on the long arm of chromosomes 6 and 10. [provided by RefSeq, Jun 2012] |
| **UniProt Comments for MARCKSL1** | MLP: Controls cell movement by regulating actin cytoskeleton homeostasis and filopodium and lamellipodium formation. When unphosphorylated, induces cell migration. When phosphorylated by MAPK8, induces actin bundles formation and stabilization, thereby reducing actin plasticity, hence restricting cell movement, including neuronal migration. May also affect cancer cell migration. May be involved in coupling the protein kinase C and calmodulin signal transduction systems. Belongs to the MARCKS family.<br><br>Protein type: Cell cycle regulation<br><br>Chromosomal Location of Human Ortholog: 1p35.1<br><br>Cellular Component: cytoplasm; plasma membrane<br><br>Molecular Function: calmodulin binding; actin binding<br><br>Biological Process: positive regulation of cell proliferation |
| **Research Articles on MARCKSL1** | **1.** Patients with high expression of PPH3 and high MARCKSL1 protein had a lower survival rate versus patients with low MARCKSL1 and high PPH3 expression. |

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