

Datasheet

MARCKS polyclonal antibody

Catalog Number: PAB4366

Regulation Status: For research use only (RUO)

Product Description: Rabbit polyclonal antibody raised against synthetic peptide of MARCKS.

Immunogen: A synthetic peptide (conjugated with KLH) corresponding to C-terminus of human MARCKS.

Host: Rabbit

Reactivity: Human

Applications: ELISA, WB-Ce
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Form: Liquid

Purification: Protein G purification

Recommend Usage: ELISA (1:1000)
Western Blot (1:50-100)
The optimal working dilution should be determined by the end user.

Storage Buffer: In PBS (0.09% sodium azide)

Storage Instruction: Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 4082

Gene Symbol: MARCKS

Gene Alias: 80K-L, FLJ14368, FLJ90045, MACS, PKCSL, PRKCSL

Gene Summary: The protein encoded by this gene is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding

to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis. [provided by RefSeq]

References:

1. Myristoylated alanine-rich C kinase substrate (MARCKS) sequesters spin-labeled phosphatidylinositol 4,5-bisphosphate in lipid bilayers. Rauch ME, Ferguson CG, Prestwich GD, Cafiso DS. J Biol Chem. 2002 Apr 19;277(16):14068-76. Epub 2002 Feb 1.
2. The MARCKS family of protein kinase-C substrates. Aderem A. Biochem Soc Trans. 1995 Aug;23(3):587-91.
3. Subregional mapping of 8 single copy loci to chromosome 6 by fluorescence in situ hybridization. Rao PH, Murty VV, Gaidano G, Hauptschein R, Dalla-Favera R, Chaganti RS. Cytogenet Cell Genet. 1994;66(4):272-3.