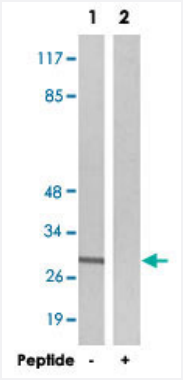
MARCKS polyclonal antibody

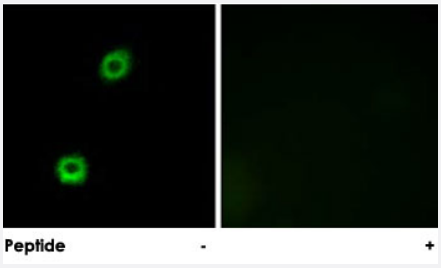
Catalog # PAB18486 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from mouse brain cells, using MARCKS polyclonal antibody (Cat # PAB18486).
Peptide "+" means "peptide blocking".



Immunofluorescence

Immunofluorescence analysis of A-549 cells, using MARCKS polyclonal antibody (Cat # PAB18486).
Peptide "+" means "peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of MARCKS.
Immunogen	A synthetic peptide corresponding to residues surrounding S158 of human MARCKS.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody is specific to MARCKS.
Form	Liquid

Purification	Affinity purification
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunofluorescence (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

  Western blot analysis of extracts from mouse brain cells, using MARCKS polyclonal antibody (Cat # PAB18486).
  Peptide "+" means "peptide blocking".

- Immunofluorescence

  Immunofluorescence analysis of A-549 cells, using MARCKS polyclonal antibody (Cat # PAB18486).
  Peptide "+" means "peptide blocking".

- Enzyme-linked Immunoabsorbent Assay

Gene Info — MARCKS

Entrez GeneID	4082
Protein Accession#	P29966
Gene Name	MARCKS
Gene Alias	80K-L, FLJ14368, FLJ90045, MACS, PKCSL, PRKCSL
Gene Description	myristoylated alanine-rich protein kinase C substrate
Omim ID	177061
Gene Ontology	Hyperlink

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 bi nding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, lea ding to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocy tosis, membrane trafficking and mitogenesis. [provided by RefSeq
Other Designations	OTTHUMP00000017045|myristoylated alanine-rich protein kinase C substrate (MARCKS, 80K-L)|phosphomyristin

Publication Reference

- Differential activation of epidermal growth factor (EGF) receptor downstream signaling pathways by betacellulin and EGF.

  Saito T, Okada S, Ohshima K, Yamada E, Sato M, Uehara Y, Shimizu H, Pessin JE, Mori M.

  Endocrinology 2004 Sep; 145(9):4232.

- The DNA sequence and analysis of human chromosome 6.

  Mungall AJ, Palmer SA, Sims SK, Edwards CA, Ashurst JL, Wilming L, Jones MC, Horton R, Hunt SE, Scott CE, Gilbert JG, Clamp ME, Bethel G, Milne S, Ainscough R, Almeida JP, Ambrose KD, Andrews TD, Ashwell RI, Babbage AK, Bagguley CL, Bailey J, Banerjee R, Barker DJ, Barlow KF, Bates K, Beare DM, Beasley H, Beasley O, Bird CP, Blakey S, Bray-Allen S, Brook J, Brown AJ, Brown JY, Burford DC, Burrill W, Burton J, Carder C, Carter NP, Chapman JC, Clark SY, Clark G, Clee CM, Clegg S, Cobley V, Collier

  Nature 2003 Oct; 425(6960):805.

- Sequence-specific peptide aptamers, interacting with the intracellular domain of the epidermal growth factor receptor, interfere with Stat3 activation and inhibit the growth of tumor cells.

  Buerger C, Nagel-Wolfrum K, Kunz C, Wittig I, Butz K, Hoppe-Seyler F, Groner B.

  The Journal of Biological Chemistry 2003 Sep; 278(39):37610.

- Inhibition of integrin-linked kinase/protein kinase B/Akt signaling: mechanism for ganglioside-induced apoptosis.

  Wang XQ, Sun P, Paller AS.

  The Journal of Biological Chemistry 2001 Sep; 276(48):44504.

Pathway

- Fc gamma R-mediated phagocytosis