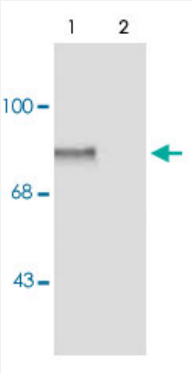
Marcks (phospho S152/S156) polyclonal antibody

Catalog # PAB9642 Size 100 uL

Applications



Western Blot (Tissue lysate)

Western blot of rat brain lysate showing specific immunolabeling of the ~87k Marcks protein phosphorylated at Serr152,156 (Control, lane 1). The phosphospecificity of this labeling is shown in the second lane (lambda-phosphatase: lambda-Ptase, lane 2). The blot is identical to the control except that it was incubated in lambda-Ptase (1200 units for 30 min) before being exposed to the Marcks Ser152,156 antibody. The immunolabeling is completely eliminated by treatment with lambda-Ptase.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of Marcks.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S152/S156 of rat Marcks.
Host	Rabbit
Theoretical MW (kDa)	87
Reactivity	Bovine, Chicken, Clawed frog, Human, Mouse, Rat, Zebra fish
Form	Liquid
Purification	Affinity purification
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES, 150 mM NaCl, pH 7.5 (50% glycerol, 10% BSA)

Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

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Gene Info — Marcks

Entrez GeneID	25603
Protein Accession#	P30009
Gene Name	Marcks
Gene Alias	KINC, Macs
Gene Description	myristoylated alanine rich protein kinase C substrate
Gene Ontology	Hyperlink
Other Designations	Myristoylated alanine-rich protein kinase C substrate

Publication Reference

- PRK1 phosphorylates MARCKS at the PKC sites: serine 152, serine 156 and serine 163.

  Palmer RH, Schonwasser DC, Rahman D, Pappin DJ, Herget T, Parker PJ.

  FEBS Letters 1996 Jan; 378(3):281.

- Protein kinase C-mediated phosphorylation and calmodulin binding of recombinant myristoylated alanine-rich C kinase substrate (MARCKS) and MARCKS-related protein.

  Verghese GM, Johnson JD, Vasulka C, Haupt DM, Stumpo DJ, Blackshear PJ.

  The Journal of Biological Chemistry 1994 Mar; 269(12):9361.

- Localization of the MARCKS (87 kDa) protein, a major specific substrate for protein kinase C, in rat brain.

  Ouimet CC, Wang JK, Walaas SI, Albert KA, Greengard P.

  Journal of Neuroscience 1990 May; 10(5):1683.