10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Phospho-MARCKS Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10493

Specification

Phospho-MARCKS Antibody - Product Information

Application	**WB**
Primary Accession	P30009
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**29795**

Phospho-MARCKS Antibody - Additional Information

Application & Usage	**Western blotting (1:200-1000). However, the optimal conditions should be determined individually. Other applications have not been determined. The antibody detects 80 kDa MARCKS only when phosphorylated at Ser152/156.**

Other Names
MACS , PRKCSL , MRACKS , PKCSL , FLJ14368 , FLJ90045 , phosphomyristin

Target/Specificity
Phospho-MARCKS

Antibody Form
Liquid

Appearance
Colorless liquid

Formulation
100 µl affinity purified rabbit anti-phospho-MARCKS polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 50% glycerol, 1% BSA, 0.02% thimerosal.

Handling
The antibody solution should be gently mixed before use.

Reconstitution & Storage
-20 °C

Background Descriptions

Precautions
Phospho-MARCKS Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

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Phospho-MARCKS Antibody - Protein Information

Name Marcks

Synonyms Macs

Function
MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.

Cellular Location
Cytoplasm, cytoskeleton. Membrane {ECO:0000250|UniProtKB:P29966}; Lipid-anchor {ECO:0000250|UniProtKB:P29966}

Tissue Location
Highest levels found in spleen and brain. Intermediate levels seen in thymus, ovary, lung and heart. Very low levels seen in kidney, skeletal muscle and liver

Phospho-MARCKS Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Phospho-MARCKS Antibody - Images

Phospho-MARCKS Antibody - Background

MARCKS (Myristoylated alanine-rich protein kinase C substrate) is a major PKC substrate that is distributed in various cell types. MARCKS has been implicated in cell motility, cell adhesion, phagocytosis, membrane traffic and mitogenesis. PKC phosphorylates Ser152, 156 and 163 of MARCKS, which regulates MARCKS's calcium/calmodulin binding activity and filamentous (F)-actin cross-linking activity. In addition, phosphorylation by PKC results in translocation of MARCKS from membrane to cytoplasm.