

**Anti-MARCKS Antibody**

**Our Anti-MARCKS primary antibody from PhosphoSolutions is chicken polyclonal. It detects human MARCK**  
**Catalog # AN1439**

**Specification**

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**Anti-MARCKS Antibody - Product Information**

Application	WB, IHC
Primary Accession	<a href="#">P29966</a>
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
Calculated MW	31555

**Anti-MARCKS Antibody - Additional Information**

Gene ID **4082**

**Other Names**

80 kDa protein antibody, 80K L antibody, 80K L protein antibody, 80K-L protein antibody, 80KL antibody, 81 kDa protein, light chain antibody, light chain antibody, MACS antibody, MARCKS antibody, MARCS antibody, MARCS\_HUMAN antibody, MGC52672 antibody, myristoylated alanine rich C kinase substrate antibody, Myristoylated alanine rich protein kinase C substrate (MARCKS, 80K L) antibody, Myristoylated alanine rich protein kinase C substrate antibody, Myristoylated alanine-rich C-kinase substrate antibody, Phosphomyristin antibody, PKCSL antibody, PRKCSL antibody, protein kinase C substrate 80 kDa protein light chain antibody, Protein kinase C substrate antibody

**Target/Specificity**

Myristoylated Alanine-Rich C Kinase Substrate (MARCKS) is a major substrate for phosphorylation by protein kinase C (PKC) (Ouimet et al., 1990) and is concentrated in synapses of neurons. It appears to function in synaptic vesicle cycling and has been shown to bind both actin and calmodulin in vitro (Hartwig et al. 1992). Deletion of the MARCKS gene in mice results in embryonic brain defects and death (Stumpo et al. 1995). MARCKS is a member of a family of calmodulin binding proteins and phosphorylation of Ser-152/156 modulates the binding of MARCKS to calmodulin (Verghese et al., 1994).

**Dilution**

WB ~ 1:1000  
IHC ~ 1:100 ~ 500

**Format**

Total IgY fraction

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

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

**Shipping**  
Blue Ice

### **Anti-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 Cytometry](#)
- [Cell Culture](#)

### **Anti-MARCKS Antibody - Images**

### **Anti-MARCKS Antibody - Background**

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