



## Rabbit Anti-Phospho-MARCKS (Ser162) antibody

SL3359R

<b>Product Name:</b>	Phospho-MARCKS (Ser162)
<b>Chinese Name:</b>	磷酸化丙氨酸蛋白激酶C底物Marcks抗体
<b>Alias:</b>	MARCKS (phospho S162); p-MARCKS (phospho S162); MARCKS (phospho S163); 80 kDa protein; 80K L; 80K L protein; 80K-L protein; 80KL; 81 kDa protein, light chain; light chain; MACS; MARCKS; MARCS; MARCS_HUMAN; MGC52672; myristoylated alanine rich C kinase substrate; Myristoylated alanine rich protein kinase C substrate (MARCKS, 80K L); Myristoylated alanine rich protein kinase C substrate; Myristoylated alanine-rich C-kinase substrate; Phosphomyristin; PKCSL; PRKCSL; protein kinase C substrate 80 kDa protein light chain; Protein kinase C substrate.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Pig,Cow,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	31kDa
<b>Cellular localization:</b>	cytoplasmicThe cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthesised phosphopeptide derived from human MARCKS around the phosphorylation site of Ser162:KK(p-S)FK
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**PubMed:**[PubMed](#)

MARCKS, (Myristoylated Alanine-Rich C Kinase Substrate), is a member of a family of calmodulin binding proteins and is a major substrate for phosphorylation by protein kinase C (PKC). The phosphorylation of Ser152/156 can be used as a measure of PKC activation. Phosphorylation of Ser152/156 modulates the binding of MARCKS to calmodulin.

**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.

**Subcellular Location:**

Cytoplasm, cytoskeleton (Probable). Membrane; Lipid-anchor.

**Post-translational modifications:**

Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity.

**Similarity:**

Belongs to the MARCKS family.

**SWISS:**

P29966

**Gene ID:**

4082

**Database links:**

[Entrez Gene: 4082](#)Human

[Entrez Gene: 17118](#)Mouse

[Entrez Gene: 25603](#)Rat

[Omim: 177061](#)Human

[SwissProt: P29966](#)Human

[SwissProt: P26645](#)Mouse

[SwissProt: P30009](#)Rat

[Unigene: 519909](#)Human

[Unigene: 712721](#)Human

[Unigene: 30059](#)Mouse

[Unigene: 9560](#)Rat

**Product Detail:**

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

MARCKS是一种分子量为32kDa的膜内蛋白,在组织中广泛表达,但主要高表达在脑内的轴突、小直径的树突和树突棘.

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