



Rabbit Anti-Phospho-MARCKS (Ser152 + Ser156) antibody

SL3263R

Product Name:	Phospho-MARCKS (Ser152 + Ser156)
Chinese Name:	磷酸化丙氨酸蛋白激酶C底物Marcks抗体
Alias:	MARCKS (phospho S152 + S156); p-MARCKS (phospho S152 + S156); MARCKS (phospho S159 + S163); 80 kDa protein; 80K L; 80K L protein; 80K-L protein; 80KL; 81 kDa protein, light chain; light chain; MACS; MARCKS; MARCS; MARCS_RAT; 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.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Cow,Rabbit,
Applications:	WB=1:500-2000ELISA=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.
Molecular weight:	30kDa
Cellular localization:	cytoplasmicThe cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthesised phosphopeptide derived from rat MARCKS around the phosphorylation site of Ser152/156 or Ser159/163(human) :RF(p-S)FKK(p-S)FK
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	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
Product Detail:	<p>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 binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis. [provided by RefSeq, Jul 2008]</p> <p>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.</p> <p>Subcellular Location: Cytoplasm, cytoskeleton (Probable). Membrane; Lipid-anchor.</p> <p>Tissue Specificity: 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.</p> <p>Post-translational modifications: Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity.</p> <p>Similarity: Belongs to the MARCKS family.</p> <p>SWISS: P29966</p> <p>Gene ID: 25603</p> <p>Database links:</p> <p>Entrez Gene: 4082Human</p> <p>Entrez Gene: 17118Mouse</p> <p>Entrez Gene: 25603Rat</p> <p>Omim: 177061Human</p> <p>SwissProt: P29966Human</p>

[SwissProt: P26645](#)Mouse

[SwissProt: P30009](#)Rat

[Unigene: 519909](#)Human

[Unigene: 712721](#)Human

[Unigene: 30059](#)Mouse

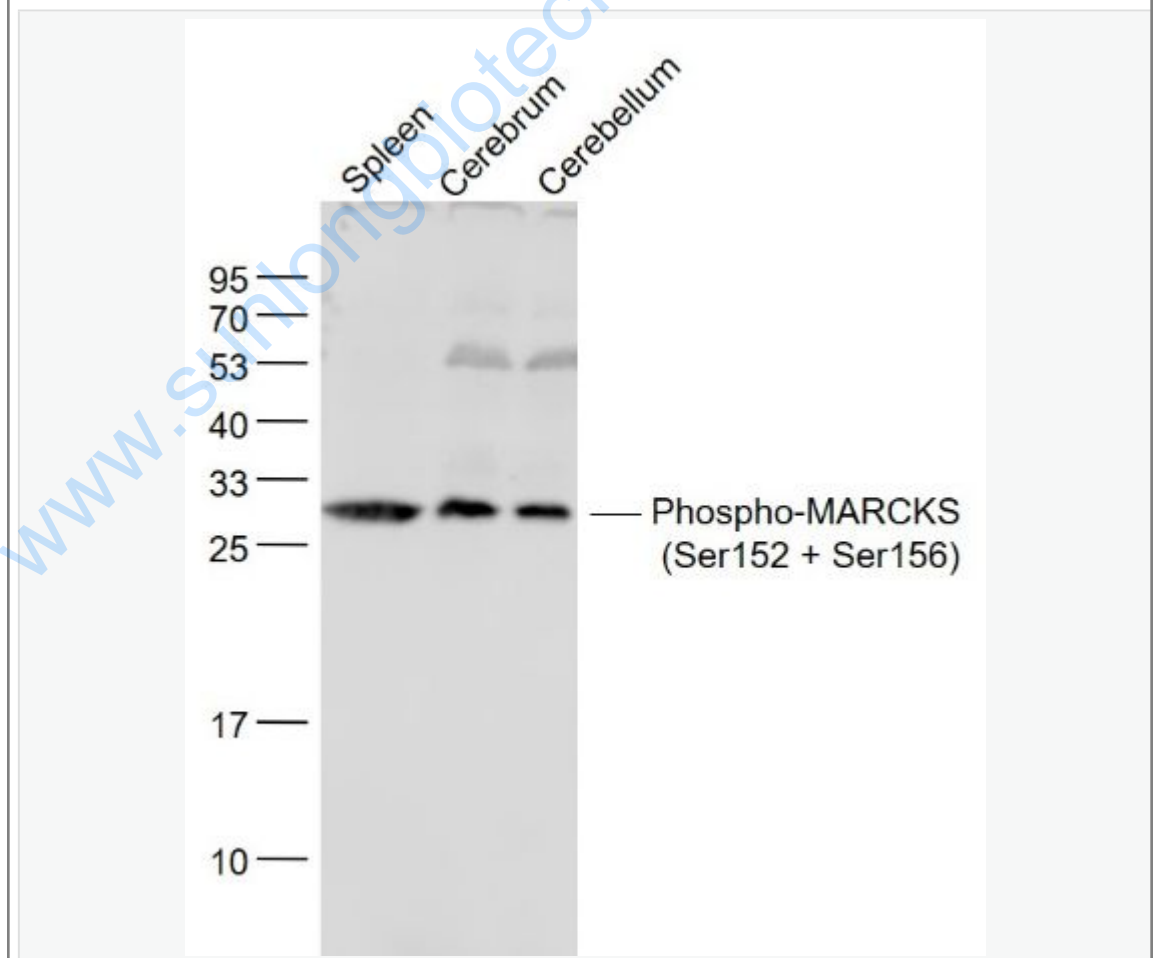
[Unigene: 9560](#)Rat

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.

Picture:



Sample:

Spleen (Mouse) Lysate at 40 ug

Cerebrum (Mouse) Lysate at 40 ug

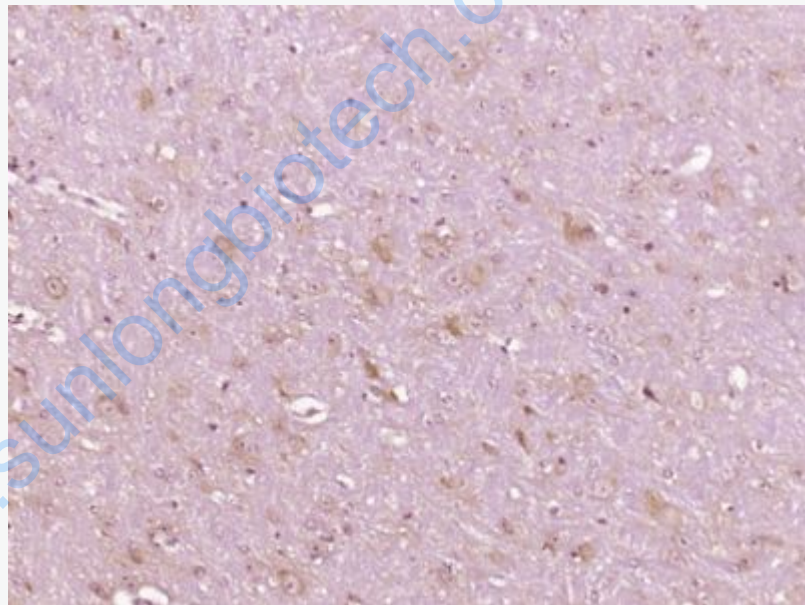
Cerebellum (Mouse) Lysate at 40 ug

Primary: Anti- Phospho-MARCKS (Ser152 + Ser156) (SL3263R) at 1/1000 dilution

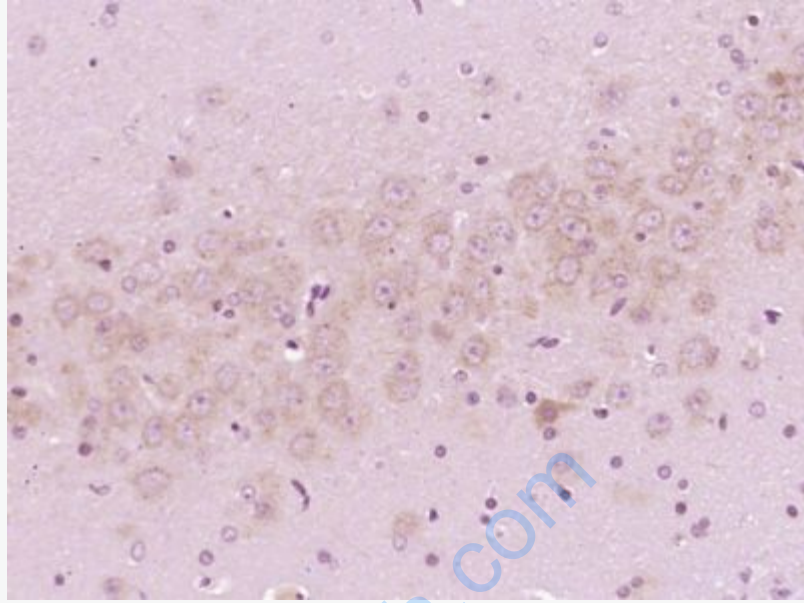
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 30 kD

Observed band size: 30 kD



Paraformaldehyde-fixed, paraffin embedded (Rat Cerebellum); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-MARCKS (Ser152 + Ser156)) Polyclonal Antibody, Unconjugated (SL3263R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-MARCKS (Ser152 + Ser156)) Polyclonal Antibody, Unconjugated (SL3263R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.