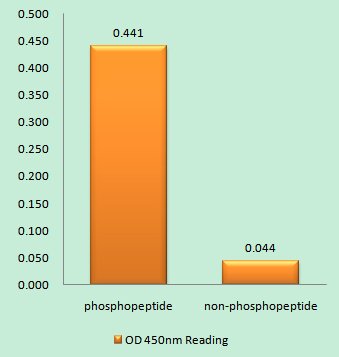
MARCKS (phospho Ser159) Polyclonal Antibody

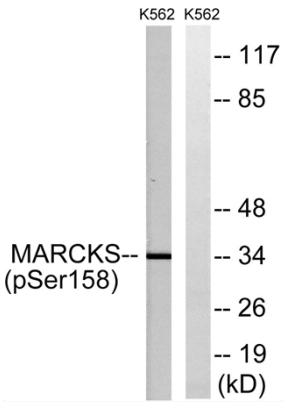
Catalog No	YP-Ab-17184
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	MARCKS
Immunogen	The antiserum was produced against synthesized peptide derived from human MARCKS around the phosphorylation site of Ser158. AA range:126-175
Specificity	Phospho-MARCKS (S158) Polyclonal Antibody detects endogenous levels of MARCKS protein only when phosphorylated at S158.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	8 kDa protein;8K L;8K L protein;8K-L protein;8KL;81 kDa protein;light chain; MACS;MARCKS;MARCS;MARCS_HUMAN;MGC52672;myristoylated alanine rich C kinase substrate;Myristoylated alanine rich protein kinase C substrate (MARCKS;8K L);Myristoylated alanine rich protein kinase C substrate; Myristoylated alanine-rich C-kinase substrate;Phosphomyristin;PKCSL;PRKCSL; protein kinase C substrate 8 kDa protein light chain;Protein kinase C substrate; 80 kDa protein;80K-L protein
Observed Band	35kD
Calculated Molecular Weight	35kD
Cell Pathway	Cytoplasm, cytoskeleton . Membrane ; Lipid-anchor .
Tissue Specificity	Blood,Brain,Epithelium,Muscle,Skin,
Function	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.,PTM:Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity., similarity:Belongs to the MARCKS family.,

Background	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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using MARCKS (Phospho-Ser158) Antibody



Western blot analysis of lysates from K562 cells treated with EGF 200ng/ml 30', using MARCKS (Phospho-Ser158) Antibody. The lane on the right is blocked with the phospho peptide.