



# MARCKS (phospho Ser163) rabbit pAb

Cat No.:ES6150

For research use only

## Overview

<b>Product Name</b>	MARCKS (phospho Ser163) rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/10000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human MARCKS around the phosphorylation site of Ser163. AA range:136-185
<b>Specificity</b>	Phospho-MARCKS (S163) Polyclonal Antibody detects endogenous levels of MARCKS protein only when phosphorylated at S163.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Myristoylated alanine-rich C-kinase substrate
<b>Gene Name</b>	MARCKS
<b>Cellular localization</b>	Cytoplasm, cytoskeleton . Membrane ; Lipid-anchor .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	
<b>Human Gene ID</b>	4082
<b>Human Swiss-Prot Number</b>	P29966
<b>Alternative Names</b>	MARCKS; MACS; PRKCSL; Myristoylated alanine-rich C-kinase substrate; MARCKS; Protein kinase C substrate; 80 kDa protein, light chain; 80K-L protein; PKCSL
<b>Background</b>	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],

Immunohistochemistry analysis of paraffin-embedded human brain, using MARCKS (Phospho-Ser163) Antibody. The picture on the right is blocked with the phospho peptide.

