

ARG51822 anti-MARCKS phospho (Ser170) antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes MARCKS phospho (Ser170)
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	MARCKS
Species	Human
Immunogen	Peptide sequence around phosphorylation site of Serine 170 (G-F-S(p)-F-K) derived from Human MARCKS.
Conjugation	Un-conjugated
Alternate Names	MACS; 80K-L; Myristoylated alanine-rich C-kinase substrate; PKC δ SL; Protein kinase C substrate, 80 kDa protein, light chain; 80K-L protein; MARCKS; PRKCSL

Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:100
	WB	1:500 - 1:1000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Antibodies were produced by immunizing rabbits with KLH-conjugated synthetic phosphopeptide. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. In addition, non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Buffer	PBS (without Mg ²⁺ and Ca ²⁺ , pH 7.4), 150mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

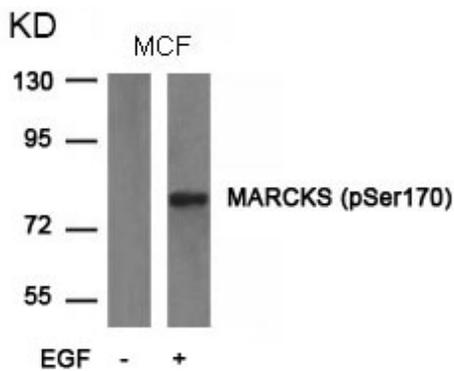
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

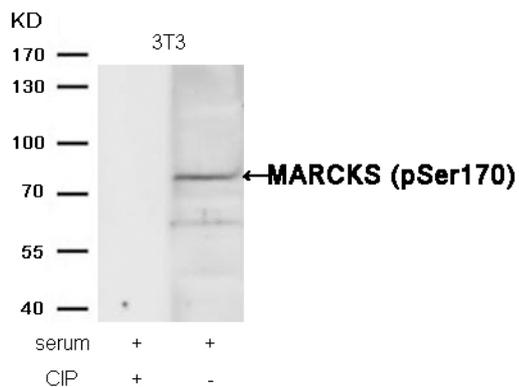
Database links	GeneID: 4082 Human Swiss-port # P29966 Human
Gene Symbol	MARCKS
Gene Full Name	myristoylated alanine-rich protein kinase C substrate
Background	MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, actin, and synapsin. MARCKS is a filamentous (F) actin cross-linking protein.
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. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Signaling Transduction antibody
Calculated Mw	32 kDa
PTM	Phosphorylation by PKC displaces MARCKS from the membrane. It also inhibits the F-actin cross-linking activity.

Images



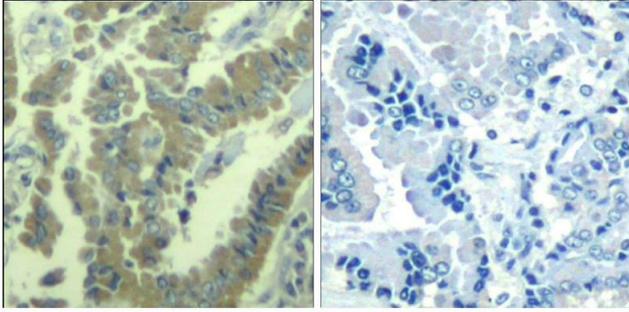
ARG51822 anti-MARCKS phospho (Ser170) antibody WB image

Western blot: Extracts from MCF cells untreated or treated with EGF stained with ARG51822 anti-MARCKS phospho (Ser170) antibody.



ARG51822 anti-MARCKS phospho (Ser170) antibody WB image

Western blot: Extracts from 3T3 cells, treated with serum or calf intestinal phosphatase (CIP), stained with ARG51822 anti-MARCKS phospho (Ser170) antibody.



ARG51822 anti-MARCKS phospho (Ser170) antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung carcinoma tissue stained with ARG51822 anti-MARCKS phospho (Ser170) antibody (left) or the same antibody preincubated with blocking peptide (right).