

MARCKS(phospho-Ser170) Antibody

Catalog No: #11535

Package Size: #11535-1 50ul #11535-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

| | |
|-----------------------|---|
| Product Name | MARCKS(phospho-Ser170) Antibody |
| Host Species | Rabbit |
| Clonality | Polyclonal |
| Purification | Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide. |
| Applications | WB IHC |
| Species Reactivity | Hu |
| Specificity | The antibody detects endogenous level of MARCKS only when phosphorylated at threonine 170. |
| Immunogen Type | Peptide-KLH |
| Immunogen Description | Peptide sequence around phosphorylation site of Serine 170 (G-F-S(p)-F-K) derived from Human MARCKS. |
| Target Name | MARCKS |
| Modification | Phospho |
| Other Names | MACS, 80K-L, PKCSL, PRKCSL |
| Accession No. | Swiss-Prot: P29966NCBI Protein: NP_002347.5 |
| Uniprot | P29966 |
| GeneID | 4082; |
| Concentration | 1.0mg/ml |
| Formulation | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. |
| Storage | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use. |

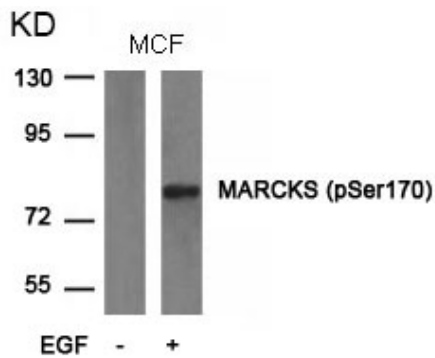
Application Details

Predicted MW: 80kd

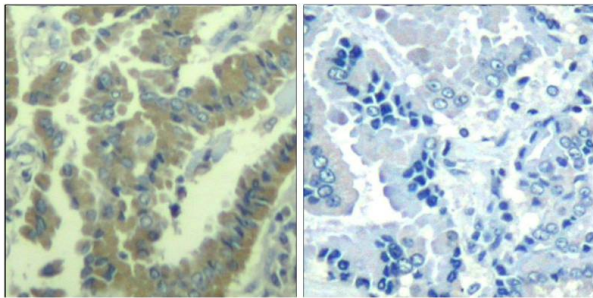
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

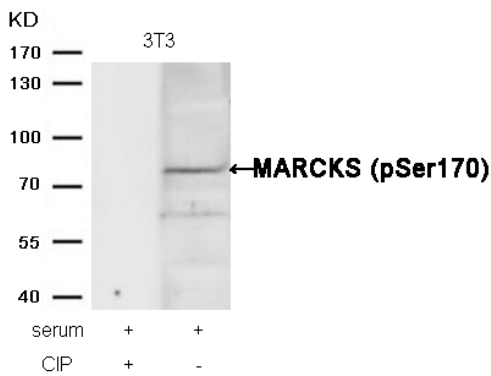
Images



Western blot analysis of extracts from MCF cells untreated or treated with EGF using MARCKS(phospho-Ser170) Antibody #11535.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using MARCKS(Phospho-Ser170) Antibody #11535(left) or the same antibody preincubated with blocking peptide(right).



Western blot analysis of extracts from 3T3 cells, treated with serum or calf intestinal phosphatase (CIP), using MARCKS (phospho-Ser170) Antibody #11535.

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.

Ramsden, J.J. (2000) *Int. J. Biochem. Cell Biol.* 32, 475-479.

Graff, J. M. et al. (1989) *J. Biol. Chem.* 264, 21818-21823.

Hartwig, J. H. et al. (1992) *Nature* 356, 618-622.

Thelen, M. et al. (1991) *Nature* 351, 320-322.

Note: This product is for in vitro research use only