

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; PKCSL; 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. | |

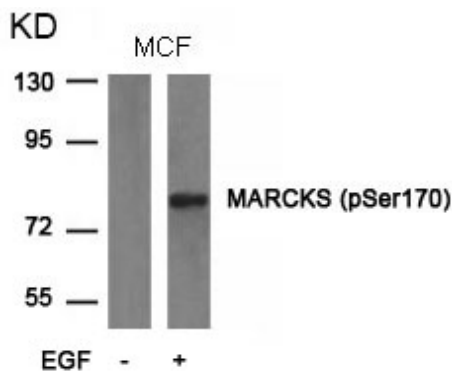
Properties

| | |
|---------------------|---|
| 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. |

Bioinformation

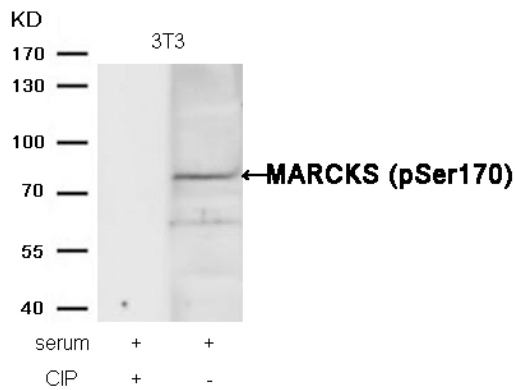
| | |
|----------------|--|
| Database links | GeneID: 4082 Human Swiss-port # P29966 Human |
| Gene Symbol | MARCKS |
| Gene Full Name | myristoylated alanine-rich protein kinase C substrate |
| Background | MARCKS is the most prominent cellular substrate for protein kinase C. This protein binds calmodulin, 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



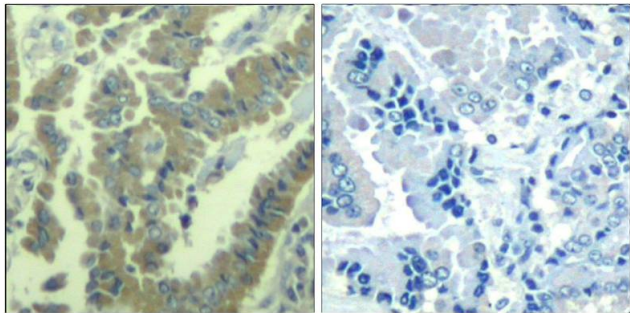
ARG51822 anti-MARCKS phospho (Ser170) antibody WB image

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).