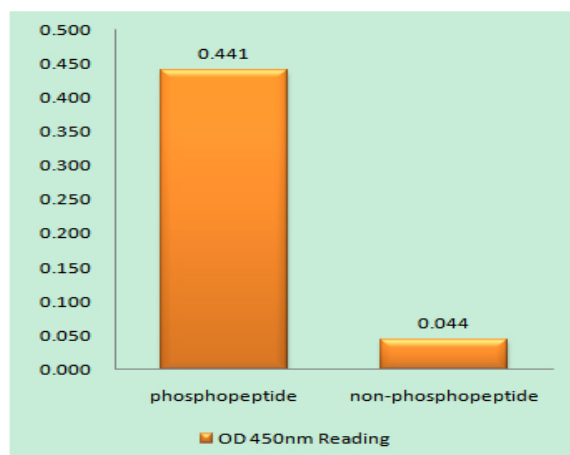


## MARCKS (phospho Ser159) Polyclonal Antibody

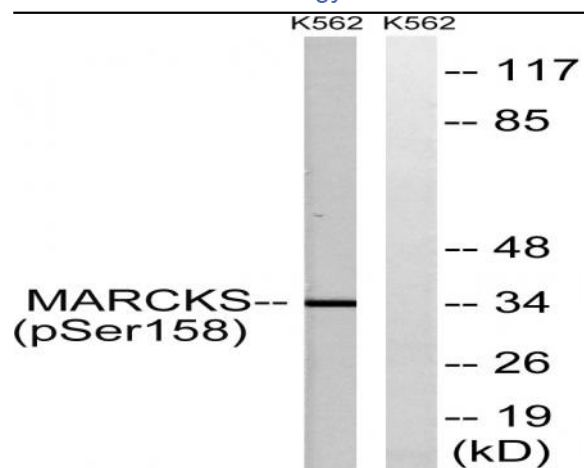
|                              |  |
|------------------------------|--|
| <b>Catalog No :</b>          | YP0525   |
| <b>Reactivity :</b>          | Human;Mouse;Rat  |
| <b>Applications :</b>        | WB;ELISA   |
| <b>Target :</b>              | MARCKS   |
| <b>Fields :</b>              | >>Fc gamma R-mediated phagocytosis;>>MicroRNAs in cancer   |
| <b>Gene Name :</b>           | MARCKS   |
| <b>Protein Name :</b>        | Myristoylated alanine-rich C-kinase substrate  |
| <b>Human Gene Id :</b>       | 4082   |
| <b>Human Swiss Prot No :</b> | P29966   |
| <b>Mouse Gene Id :</b>       | 17118  |
| <b>Mouse Swiss Prot No :</b> | P26645   |
| <b>Rat Swiss Prot No :</b>   | P30009   |
| <b>Immunogen :</b>           | The antiserum was produced against synthesized peptide derived from human MARCKS around the phosphorylation site of Ser158. AA range:126-175 |
| <b>Specificity :</b>         | Phospho-MARCKS (S158) Polyclonal Antibody detects endogenous levels of MARCKS protein only when phosphorylated at S158.                      |
| <b>Formulation :</b>         | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.  |
| <b>Source :</b>              | Polyclonal, Rabbit,IgG   |
| <b>Dilution :</b>            | WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.   |
| <b>Purification :</b>        | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                        |

|                               |  |
|-------------------------------|--|
| <b>Concentration :</b>        | 1 mg/ml  |
| <b>Storage Stability :</b>    | -15°C to -25°C/1 year(Do not lower than -25°C)   |
| <b>Observed Band :</b>        | 35kD   |
| <b>Cell Pathway :</b>         | Fc gamma R-mediated phagocytosis;  |
| <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], |
| <b>Function :</b>             | 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.,  |
| <b>Subcellular Location :</b> | Cytoplasm, cytoskeleton . Membrane ; Lipid-anchor .  |
| <b>Expression :</b>           | Blood,Brain,Epithelium,Muscle,Skin,  |

## 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.