

## MARCKS (Phospho Ser163) Rabbit pAb

CatalogNo: YP1127

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- IHC, IF, ELISA

#### MW

- 32kD (Calculated)

#### Isotype

- IgG

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Recommended Dilution Ratios

**IHC 1:100-1:300**

**ELISA 1:10000**

**IF 1:50-200**

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human MARCKS around the phosphorylation site of Ser163. AA range:136-185

**Specificity** Phospho-MARCKS (S163) Polyclonal Antibody detects endogenous levels of MARCKS protein only when phosphorylated at S163. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):KKsFK

## Target Information

**Gene name** MARCKS

**Protein Name** Myristoylated alanine-rich C-kinase substrate

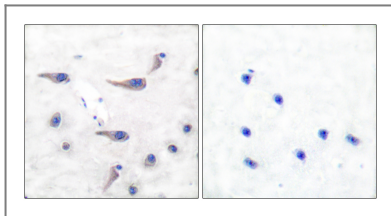
Organism	Gene ID	UniProt ID
Human	<a href="#">4082</a> ;	<a href="#">P29966</a> ;
Mouse	<a href="#">17118</a> ;	<a href="#">P26645</a> ;
Rat		<a href="#">P30009</a> ;

**Cellular Localization** Cytoplasm , cytoskeleton . Membrane ; Lipid-anchor .

**Tissue specificity** Blood ,Brain ,Epithelium ,Muscle ,Skin ,

**Function** 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. ,

## Validation Data



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

## Contact information

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