

## MARCKS (phospho-S163) polyclonal antibody

Catalog: BS4799

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Myristoylated alanine-rich protein kinase C substrate (MARCKS), also designated 80K or 80K-L, has been identified as a major cellular substrate for protein kinase C. Human MARCKS is a 332 amino acid protein with a calculated molecular weight of 31.534 kDa; however, it has been shown to run at 80-87 kDa on Western blot. The plasma membrane bound protein dissociates from the membrane upon phosphorylation by various PKC isoforms. In NIH/3T3 fibroblasts, PKC  $\alpha$  and PKC  $\epsilon$ , but not PKC  $\delta$ , are responsible for MARCKS phosphorylation. MARCKS has been found to bind calmodulin, Actin and Synapsin and is a filamentous (F) Actin crosslinking protein.

### Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

### Molecular Weight:

~ 32, 75, 87 kDa

### Swiss-Prot:

P29966

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

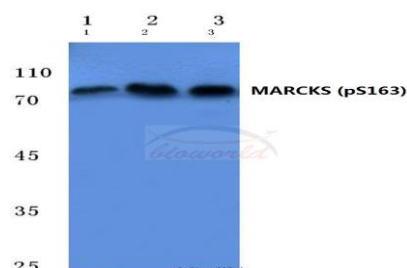
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-MARCKS (S163) polyclonal antibody detects endogenous levels of MARCKS only when phosphorylated at Ser163.

### DATA:



Western blot (WB) analysis of p-MARCKS (S163) polyclonal antibody at 1:500 dilution

Lane1:MCF-7 cell lysate treated with PMA

Lane2:sp2/0 cell lysate treated with PMA

Lane3:PC12 cell lysate treated with PMA

### Note:

For research use only, not for use in diagnostic procedure.

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