MARCKS (K152) polyclonal antibody

Catalog: BS2982 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 α and PKC ε, but not PKC δ, are responsible for MARCKS phosphorylation. MARCKS has been found to bind calmodulin, Actin and Synapsin and is a filamentous (F) Actin crosslinking protein.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

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

IF: 1:50~1:200

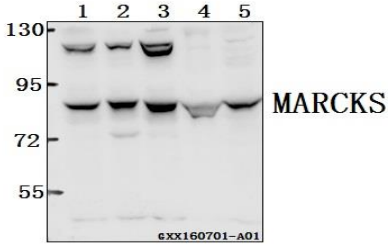
Storage&Stability:

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

Specificity:

MARCKS (K152) polyclonal antibody detects endogenous levels of MARCKS protein.

DATA:



Western blot (WB) analysis of MARCKS (K152) polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate(20ug)

Lane2:A549 whole cell lysate(20ug)

Lane3:786-O whole cell lysate(20ug)

Lane4:H9C2 whole cell lysate(40ug)

Lane5:CT26 whole cell lysate(40ug)

Note:

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

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