



MARCKS (Phospho-Ser170) Antibody

#11535

Catalog Number: 11535-1, 11535-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P29966

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized phosphopeptide derived from Human MARCKS around the phosphorylation site of serine 170(G-F-S_P-F-K).

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site.

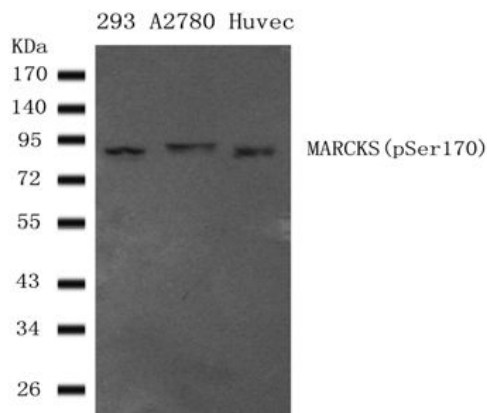
Specificity/Sensitivity: MARCKS (phospho-Ser170) antibody detects endogenous levels of MARCKS only when phosphorylated at serine 170.

Reactivity: Human, Mouse, Rat

Applications:

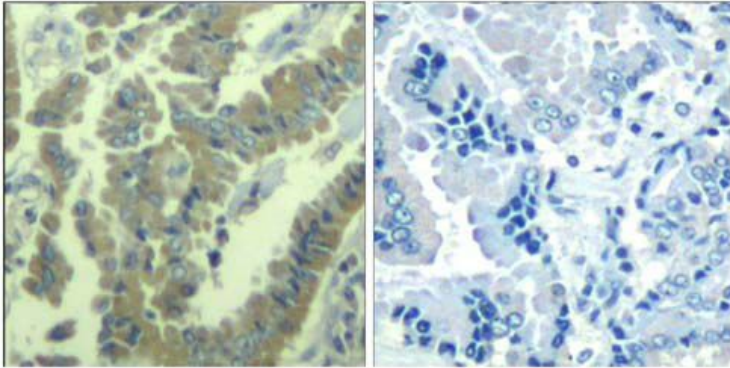
Predicted MW: 80 kd

WB : 1:500~1:1000 IHC: 1:50~1:200



PMA + + +

Western blot analysis of extracts from 293, A2780 and Huvec cells, using MARCKS (phospho-Ser170) Antibody(#11535).



P-Peptide - +

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using MARCKS (phospho-Ser170) Antibody (#11535).

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.

References:

- Ramsden, J.J. (2000) *Int. J. Biochem. Cell Biol.* 32, 475-479.
- Graff, J. M. et al. (1989) *J. Biol. Chem.* 264, 21818-21823.
- Hartwig, J. H. et al. (1992) *Nature* 356, 618-622.
- Thelen, M. et al. (1991) *Nature* 351, 320-322.