



MARCKS (Phospho-Ser158) Antibody

#11293

Catalog Number: 11293-1, 11293-2

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 158 (R-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-Ser158) antibody detects endogenous levels of MARCKS only when phosphorylated at serine 158.

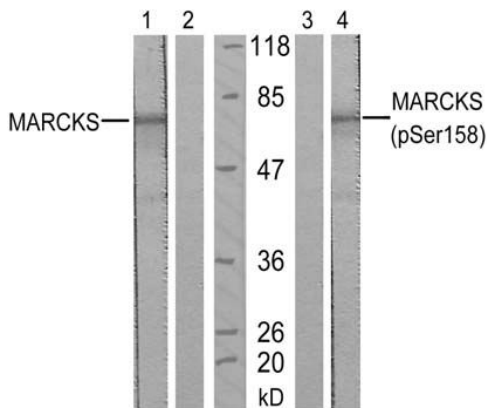
Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 80 kd

WB : 1:500~1:1000

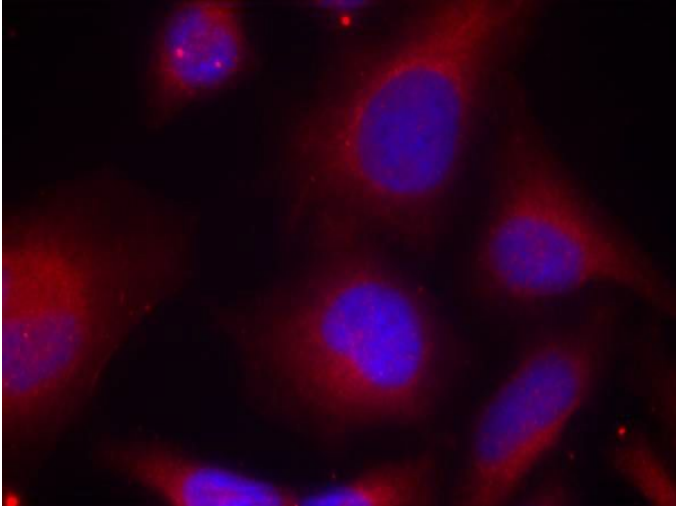
IF: 1:100~1:200



Peptide - + - -

P-Peptide - - + -

Western blot analysis of extract from starved NIH/3T3 cells, using MARCKS (Ab-158) antibody (#21285, Lane 1 and 2) and MARCKS (phospho-Ser158) antibody (#11293, Lane 3 and 4)



Immunofluorescence staining of methanol-fixed HeLa cells using MARCKS(phospho-Ser158) antibody (#11293, Red).

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:

- Pariser H, et al. Proc Natl Acad Sci U S A 2005 Aug 30; 102(35): 12407-12412
- Nagumo H, et al. Biochem Biophys Res Commun 2001 Jan 26; 280(3): 605-609
- Yamamoto H, et al. Arch Biochem Biophys 1998 Nov 15; 359(2): 151-159