MARCKS (Ab-158) Antibody

#21285

Catalog Number: 21285-1, 21285-2

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℃/1 year

Immunogen: The antiserum was produced against synthesized non-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 immunogen.

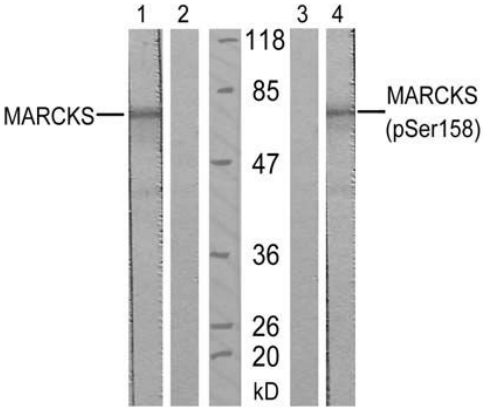
Specificity/Sensitivity:MARCKS (Ab-158) antibody detects endogenous levels of total MARCKS protein.

Reactivity: Human,Mouse,Rat

Applications:

Predicted MW: 80 kd

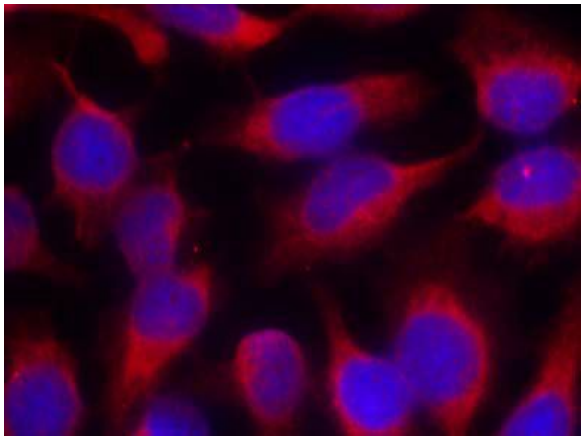
WB **:**1:500~1:1000 IF:1:100~1:200



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 (Ab-158) antibody (#21285, 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