

MARCKS(Ab-158) Antibody

Catalog No: #21285

Package Size: #21285-1 50ul #21285-2 100ul

Description

Product Name	MARCKS(Ab-158) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total MARCKS protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.156~160 (R-F-S-F-K) derived from Human MARCKS.
Conjugates	Unconjugated
Target Name	MARCKS
Other Names	MACS; MARCS; PKCSL; PRKCSL; Protein kinase C substrate
Accession No.	Swiss-Prot: P29966NCBI Protein: NP_002347.5
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

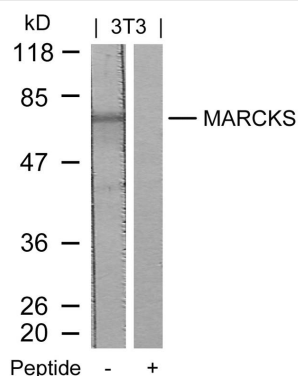
Application Details

Predicted MW: 80kd

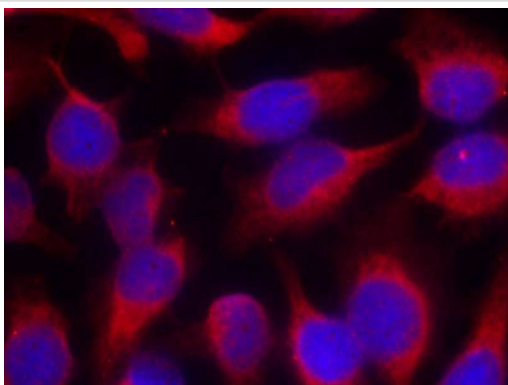
Western blotting: 1:500~1:1000

Immunofluorescence: 1:100~1:200

Images



Western blot analysis of extracts from 3T3 cells using MARCKS(Ab-158) Antibody #21285 and the same antibody preincubated with blocking peptide.



Immunofluorescence staining of methanol-fixed HeLa cells using MARCKS(Ab-158) Antibody #21285.

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.

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

Published Papers

Maria C. Olanas, Simona Dedoni et al., Signaling pathways mediating phosphorylation and inactivation of glycogen synthase kinase-3 β by the recombinant human δ -opioid receptor stably expressed in Chinese hamster ovary cells., Neuropharmacology. , 60:1326-1336(2011)

[PMID:21276805](#)

et al., Signaling pathways mediating phosphorylation and inactivation of glycogen synthase kinase-3 ϵ by the recombinant human ζ -opioid receptor stably expressed in Chinese

hamster ovary cells. In Neuropharmacology on 2011 Jun by Maria C Olanas, Simona Dedoni, et al..PMID: 21276805, , (2011)

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et al., Phosphoproteome of signaling by ErbB2 in ovarian cancer cells. In Biochim Biophys Acta Proteins Proteom on 2022 Apr 1 by C Sidhanth, S Bindhya,et al..PMID:35158093, , (2022)

[PMID:35158093](#)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.