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SCAP1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SCAP1.
Catalog # AT3782a

Product Information

Application	WB, E
Primary Accession	Q86WV1
Other Accession	NM_003726
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1C11
Calculated MW	41432

Additional Information

Gene ID	8631
Other Names	Src kinase-associated phosphoprotein 1, Src family-associated phosphoprotein 1, Src kinase-associated phosphoprotein of 55 kDa, SKAP-55, pp55, SKAP1, SCAP1, SKAP55
Target/Specificity	SCAP1 (NP_003717, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SCAP1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

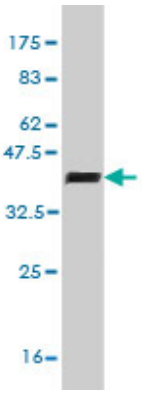
Background

This gene encodes a T cell adaptor protein, a class of intracellular molecules with modular domains capable of recruiting additional proteins but that exhibit no intrinsic enzymatic activity. The encoded protein contains a unique N-terminal region followed by a PH domain and C-terminal SH3 domain. Along with the adhesion and degranulation-promoting adaptor protein, the encoded protein plays a critical role in inside-out signaling by coupling T-cell antigen receptor stimulation to the activation of integrins.

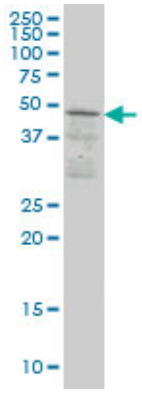
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.T cell receptor inside-out pathway via signaling module SKAP1-RapL regulates T cell motility and interactions in lymph nodes. Raab M, et al. Immunity, 2010 Apr 23. PMID 20346707.A novel S3S-TAP-tag for the isolation of T-cell interaction partners of adhesion and degranulation promoting adaptor protein. Lehmann R, et al. Proteomics, 2009 Dec. PMID 19798671.SKAP associates with kinetochores and promotes the metaphase-to-anaphase transition. Fang L, et al. Cell Cycle, 2009 Sep 1. PMID 19667759.SKAP55 modulates T cell antigen receptor-induced activation of the Ras-Erk-AP1 pathway by binding RasGRP1. Kosco KA, et al. Mol Immunol, 2008 Jan. PMID 17658605.

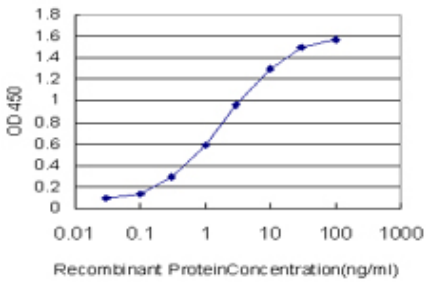
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



SCAP1 monoclonal antibody (M02), clone 1C11 Western Blot analysis of SCAP1 expression in Jurkat ((Cat # AT3782a)



Detection limit for recombinant GST tagged SCAP1 is approximately 0.3ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.