

SCAMP3 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant SCAMP3.

Catalog # AT3777a

Product Information

Application	WB, E
Primary Accession	O14828
Other Accession	NM_005698
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Lambda
Clone Names	3G4
Calculated MW	38287

Additional Information

Gene ID	10067
Other Names	Secretory carrier-associated membrane protein 3, Secretory carrier membrane protein 3, SCAMP3, C1orf3, PROPIN1
Target/Specificity	SCAMP3 (NP_005689, 70 a.a. ~ 169 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	SCAMP3 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

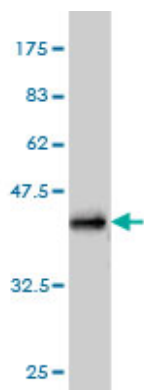
This gene product belongs to the SCAMP family of proteins which are secretory carrier membrane proteins. They function as carriers to the cell surface in post-golgi recycling pathways. Different family members are highly related products of distinct genes, and are usually expressed together. These findings suggest that the SCAMPs may function at the same site during vesicular transport rather than in separate pathways. Two transcript variants encoding different isoforms have been found for this gene.

References

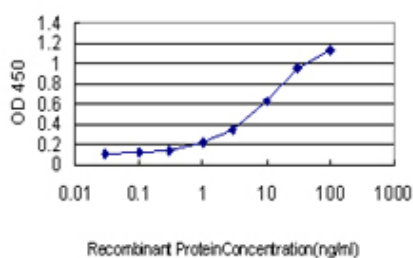
SCAMP3 is a component of the Salmonella-induced tubular network and reveals an interaction between

bacterial effectors and post-Golgi trafficking. Mota LJ, et al. Cell Microbiol, 2009 Aug. PMID 19438519. SCAMP3 negatively regulates epidermal growth factor receptor degradation and promotes receptor recycling. Aoh QL, et al. Mol Biol Cell, 2009 Mar. PMID 19158374. Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983. Immunoaffinity profiling of tyrosine phosphorylation in cancer cells. Rush J, et al. Nat Biotechnol, 2005 Jan. PMID 15592455. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.

Images



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



Detection limit for recombinant GST tagged SCAMP3 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'.