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PSCD3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PSCD3.
Catalog # AT3451a

Product Information

Application	WB, IF, E
Primary Accession	O43739
Other Accession	BC008191
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b kappa
Clone Names	6D3-1A9
Calculated MW	46349

Additional Information

Gene ID	9265
Other Names	Cytohesin-3, ARF nucleotide-binding site opener 3, Protein ARNO3, General receptor of phosphoinositides 1, Grp1, PH, SEC7 and coiled-coil domain-containing protein 3, CYTH3, ARNO3, GRP1, PSCD3
Target/Specificity	PSCD3 (AAH08191, 1 a.a. ~ 180 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 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	PSCD3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

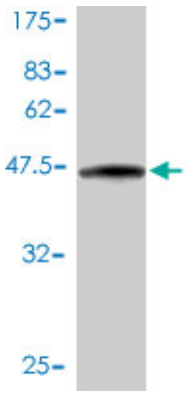
Background

This gene encodes a member of the PSCD (pleckstrin homology, Sec7 and coiled-coil domains) family. PSCD family members have identical structural organization that consists of an N-terminal coiled-coil motif, a central Sec7 domain, and a C-terminal pleckstrin homology (PH) domain. The coiled-coil motif is involved in homodimerization, the Sec7 domain contains guanine-nucleotide exchange protein (GEP) activity, and the PH domain interacts with phospholipids and is responsible for association of PSCDs with membranes. Members of this family appear to mediate the regulation of protein sorting and membrane trafficking. This encoded protein is involved in the control of Golgi structure and function, and it may have a physiological role in regulating ADP-ribosylation factor protein 6 (ARF) functions, in addition to acting on ARF1.

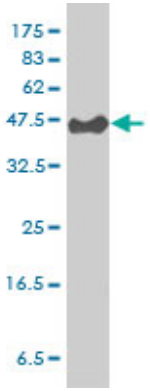
References

GEP100 links epidermal growth factor receptor signalling to Arf6 activation to induce breast cancer invasion. Morishige M, et al. Nat Cell Biol, 2008 Jan. PMID 18084281.Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514.General receptor for phosphoinositides 1, a novel repressor of thyroid hormone receptor action that prevents deoxyribonucleic acid binding. Poirier MB, et al. Mol Endocrinol, 2005 Aug. PMID 15878955.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.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

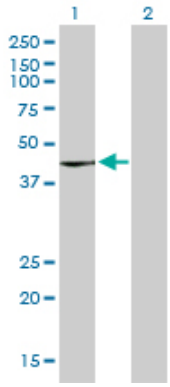
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (45.8 KDa) .



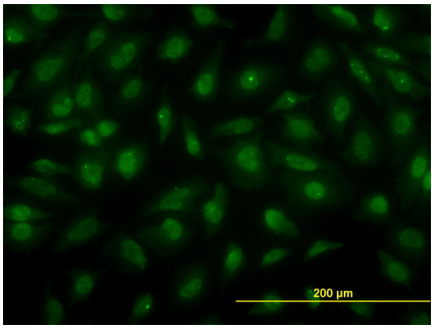
PSCD3 monoclonal antibody (M01), clone 6D3-1A9
Western Blot analysis of PSCD3 expression in Hela S3 NE ((Cat # AT3451a)

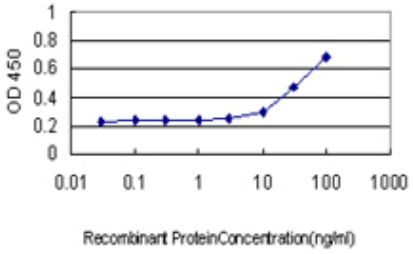


Western Blot analysis of PSCD3 expression in transfected 293T cell line by PSCD3 monoclonal antibody (M01), clone 6D3-1A9.

Lane 1: PSCD3 transfected lysate(46.3 KDa).
Lane 2: Non-transfected lysate.

Immunofluorescence of monoclonal antibody to PSCD3 on HeLa cell. [antibody concentration 10 ug/ml]





Detection limit for recombinant GST tagged PSCD3 is approximately 3ng/ml as a capture antibody.

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