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CELSR3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant CELSR3.
Catalog # AT1492a

Product Information

Application	WB, E
Primary Accession	Q9NYQ7
Other Accession	NM_001407
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2F7
Calculated MW	358185

Additional Information

Gene ID	1951
Other Names	Cadherin EGF LAG seven-pass G-type receptor 3, Cadherin family member 11, Epidermal growth factor-like protein 1, EGF-like protein 1, Flamingo homolog 1, hFmi1, Multiple epidermal growth factor-like domains protein 2, Multiple EGF-like domains protein 2, CELSR3, CDHF11, EGFL1, FMI1, KIAA0812, MEGF2
Target/Specificity	CELSR3 (NP_001398, 71 a.a. ~ 180 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	CELSR3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

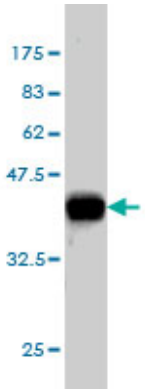
Background

The protein encoded by this gene is a member of the flamingo subfamily, part of the cadherin superfamily. The flamingo subfamily consists of nonclassic-type cadherins; a subpopulation that does not interact with catenins. The flamingo cadherins are located at the plasma membrane and have nine cadherin domains, seven epidermal growth factor-like repeats and two laminin A G-type repeats in their ectodomain. They also have seven transmembrane domains, a characteristic unique to this subfamily. It is postulated that these proteins are receptors involved in contact-mediated communication, with cadherin domains acting as homophilic binding regions and the EGF-like domains involved in cell adhesion and receptor-ligand interactions. The specific function of this particular member has not been determined.

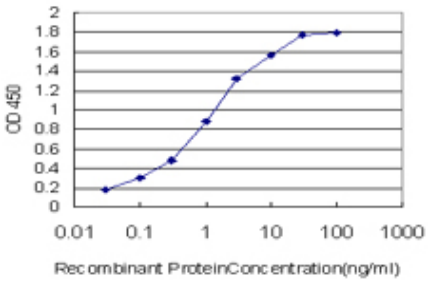
References

Systematic identification of SH3 domain-mediated human protein-protein interactions by peptide array target screening. Wu C, et al. Proteomics, 2007 Jun. PMID 17474147.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.The human and mouse repertoire of the adhesion family of G-protein-coupled receptors. Bjarnad?ttir TK, et al. Genomics, 2004 Jul. PMID 15203201.Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.Protein-protein interactions between large proteins: two-hybrid screening using a functionally classified library composed of long cDNAs. Nakayama M, et al. Genome Res, 2002 Nov. PMID 12421765.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged CELSR3 is approximately 0.03ng/ml as a capture antibody.