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PCDH1 Antibody (monoclonal) (M05)

Mouse monoclonal antibody raised against a partial recombinant PCDH1.
Catalog # AT3211a

Product Information

Application	WB
Primary Accession	Q08174
Other Accession	NM_002587
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2A11
Calculated MW	114743

Additional Information

Gene ID	5097
Other Names	Protocadherin-1, Cadherin-like protein 1, Protocadherin-42, PC42, PCDH1
Target/Specificity	PCDH1 (NP_002578, 62 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
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	PCDH1 Antibody (monoclonal) (M05) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

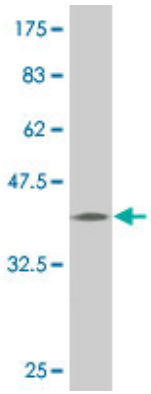
This gene belongs to the protocadherin subfamily within the cadherin superfamily. The encoded protein is a membrane protein found at cell-cell boundaries. It is involved in neural cell adhesion, suggesting a possible role in neuronal development. The protein includes an extracelllular region, containing 7 cadherin-like domains, a transmembrane region and a C-terminal cytoplasmic region. Cells expressing the protein showed cell aggregation activity. Alternative splicing occurs in this gene.

References

Identification of PCDH1 as a novel susceptibility gene for bronchial hyperresponsiveness. Koppelman GH, et al. Am J Respir Crit Care Med, 2009 Nov 15. PMID 19729670.Signal sequence and keyword trap in silico for

selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries. Otsuki T, et al. DNA Res, 2005. PMID 16303743.Immunoaffinity profiling of tyrosine phosphorylation in cancer cells. Rush J, et al. Nat Biotechnol, 2005 Jan. PMID 15592455.Phosphoproteomic analysis of the developing mouse brain. Ballif BA, et al. Mol Cell Proteomics, 2004 Nov. PMID 15345747.Functional proteomics mapping of a human signaling pathway. Colland F, et al. Genome Res, 2004 Jul. PMID 15231748.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.62 KDa) .

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