

**PCDH1 Antibody (monoclonal) (M05)****Mouse monoclonal antibody raised against a partial recombinant PCDH1.****Catalog # AT3211a****Specification**

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**PCDH1 Antibody (monoclonal) (M05) - Product Information**

Application	WB
Primary Accession	<a href="#">Q08174</a>
Other Accession	<a href="#">NM_002587</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	114743

**PCDH1 Antibody (monoclonal) (M05) - 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.

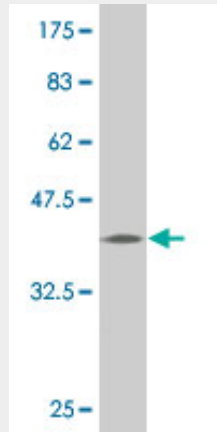
**PCDH1 Antibody (monoclonal) (M05) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

#### **PCDH1 Antibody (monoclonal) (M05) - Images**



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

#### **PCDH1 Antibody (monoclonal) (M05) - 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 extracellular 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.

#### **PCDH1 Antibody (monoclonal) (M05) - 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.