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Datasheet

PCDH1 monoclonal antibody (M01), clone 5D5

Catalog Number: H00005097-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a partial recombinant PCDH1.

Clone Name: 5D5

Immunogen: PCDH1 (NP_002578, 62 a.a. ~ 169 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
YKVPEEQPPNTLIGSLAADYGFPDVGHLYKLEVGAPYL
RVDGKTGDIFTTETSIDREGLRECQNQLPGDPCILEFE
VSITDLVQNGSPRLLEGQIEVQDINDNTPNFA

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, S-ELISA, WB-Ce, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG1 Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 5097

Gene Symbol: PCDH1

Gene Alias: FLJ53887, MGC45991, PC42, PCDH42

Gene Summary: 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. [provided by RefSeq]

References:

1. Identification of PCDH1 as a Novel Susceptibility Gene for Bronchial Hyperresponsiveness. Koppelman GH, Meyers DA, Howard TD, Zheng SL, Hawkins GA, Ampleford EJ, Xu J, Koning H, Bruinenberg M, Nolte IM, van Diemen CC, Boezen HM, Timens W, Whittaker PA, Stine OC, Barton SJ, Holloway JW, Holgate ST, Graves PE, Martinez FD, van Oosterhout A, Blee Am J Respir Crit Care Med. 2009 Sep 3. [Epub ahead of print]