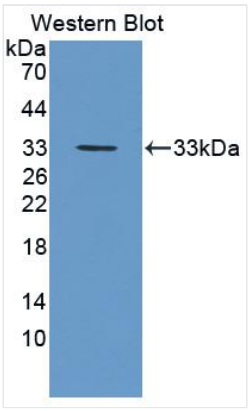
Protocadherin 1 (PCDH1) Antibody – Rabbit Polyclonal

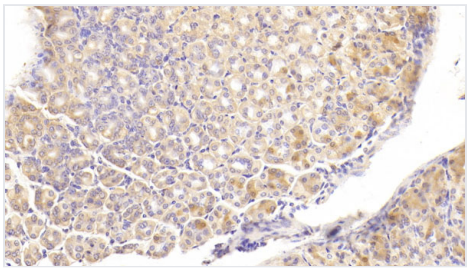
PRODUCT OVERVIEW

Product Name	Protocadherin 1 (PCDH1), Polyclonal Antibody
Full Product Name	Polyclonal Antibody to Protocadherin 1 (PCDH1)
Product Gene Name	anti-PCDH1 antibody
Immunogen Sequence	Antigen: The target protein is fused with two N-terminal Tags, His-tag and T7-tag and its sequence is listed below. MGSSHHHHHH SSGLVPRGSH MASMTGGQQM GRGSEF- VTVLD TNDNAPKFER PTYEAELSEN SPIGHSVIQV KANDSDQGAN AEIDYTFHQA PEVVRRLLRL DRNTGLITVQ GPVDREDLST LRFSVLAKDR GATPKSARAQ VVVTVKDMND NAPTIEIRGI GLVTHQDGMA NISEDVAEET AVALVQVSDR DEGENAAVTC VVAGDVPFQL RQASETGSDS KKKYFLQTTT PLDYEKVKDY TIEIVAVDSG NPPLSSTNSL KVQVVDVNDN APVFTQSITE VAFPENNKPG
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Liquid
Purity/Purification	Affinity Chromatography
Concentration	500ug/mL (lot specific)
Specificity	The antibody is a rabbit polyclonal antibody raised against PCDH1. It has beenselected for its ability to recognize PCDH1 in immunohistochemical staining andwestern blotting.
Preparation and Storage	Store at 4 degree C for frequent use. Stored at -20 degree C to -80 degree C in a manual defrost freezer for one year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) Immunogen: PCDH1 (MBS2028927)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) APC-CY7 Conjugated Antibody: PCDH1 (MBS2054316)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) PE Conjugated Antibody: PCDH1 (MBS2054317)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) APC Conjugated Antibody: PCDH1 (MBS2054318)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) Cy3 Conjugated Antibody: PCDH1 (MBS2054319)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) FITC Conjugated Antibody: PCDH1 (MBS2054320)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) HRP Conjugated Antibody: PCDH1 (MBS2054321)
Matching Pairs	Unconjugated Antibody: Protocadherin 1 (MBS2027963) APC-CY7 Conjugated Secondary Antibody: Immunoglobulin G (MBS2090675)
Matching Pairs	Unconjugated Antibody: Protocadherin 1 (MBS2027963) Unconjugated Secondary Antibody: Immunoglobulin G (MBS2090678)
Matching Pairs	Unconjugated Antibody: PCDH1 (MBS2027963) Biotin Conjugated Antibody: PCDH1 (MBS2093196)

Molecular Weight	112,411 Da
3D Structure	ModBase 3D Structure for Q8CFX3
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Fragment	PCDH1 (Val246~Ala517)
Organism Species	Mus musculus (Mouse)
Cross Reactivity	Mouse
Conjugate	No Conjugate
Immunogen	Recombinant PCDH1 (Val246~Ala517) expressed in E Coli.
Conjugated Antibody	The APC conjugated antibody version of this item is also available as catalog #MBS2054318
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-PCDH1 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (EIA)
Application Notes for anti-PCDH1 antibody	Western blotting: 0.2-2ug/mL;1:250-2500 Immunohistochemistry: 5-20ug/mL;1:25-100 Immunocytochemistry: 5-20ug/mL;1:25-100 Optimal working dilutions must be determined by end user.
Related Product Information for anti-PCDH1 antibody	MBS2027963 is an antibody targeting PCDH1. Also known as Polyclonal Antibody to Protocadherin 1 (PCDH1). Reactive in Mouse. Host: Rabbit.
Other Notes	Small volumes of anti-PCDH1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-PCDH1 antibody
Western Blot: Sample: Recombinant protein.



Immunohistochemistry (IHC) of anti-PCDH1 antibody
DAB staining on fromalin fixed paraffin- embedded Kidney tissue)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PCDH1. It may not necessarily be applicable to this product.

NCBI GI #	34328319
NCBI GeneID	75599
NCBI Accession #	NP_083633.2
UniProt Primary Accession #	Q8CFX3
GenBank Nucleotide #	NM_029357.3
NCBI Official Full Name	protocadherin-1

NCBI Official Synonym Full Names	protocadherin 1
NCBI Official Symbol	Pcdh1
NCBI Official Synonym Symbols	AI585920; 2010005A06Rik
UniProt Protein Name	Protocadherin 1
UniProt Synonym Protein Names	Protocadherin 1
Protein Family	Protocadherin
UniProt Gene Name	Pcdh1
NCBI Protein Information	protocadherin-1
UniProt Comments for PCDH1	PCDH1: a protocadherin protein within the cadherin superfamily. A membrane protein found at cell-cell boundaries. Involved in neural cell adhesion, suggesting a possible role in neuronal development. Contains an extracelllular region with 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. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 18 B3|18 20.08 cM Cellular Component: cell junction; integral component of plasma membrane; intercellular junction; intracellular membrane-bound organelle; nucleolus; nucleus Molecular Function: protein binding Biological Process: calcium-dependent cell-cell adhesion via plasma membrane cell adhesion molecules; homophilic cell adhesion
Research Articles on PCDH1	**1.** Pcdh1 is highly homologous to human PCDH1, encodes two transmembrane proteins and one intracellular protein, and is regulated by cigarette smoke exposure in vivo.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/polyclonal-pcdh1-mouse-antibody/protocadherin-1/2027963