CDH2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDH2, Polyclonal Antibody
Full Product Name	CDH2 Polyclonal Antibody
Product Gene Name	anti-CDH2 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.
Molecular Weight	97kDa; 99kDa
OMIM	114020
3D Structure	ModBase 3D Structure for P19022
Immunogen	A synthetic peptide of human CDH2 (NP_001783.2).
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDH2 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CDH2 antibody	WB: 1:500-1:2000 IHC: 1:50-1:100
Related Product Information for anti-CDH2 antibody	This gene encodes a classical cadherin and member of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein is proteolytically processed to generate a calcium-dependent cell adhesion molecule and glycoprotein. This protein plays a role in the establishment of left-right asymmetry, development of the nervous system and the formation of cartilage and bone.
Other Notes	Small volumes of anti-CDH2 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.
Searchable Terms for CDH2 purchase	MBS8566156 is an antibody targeting CDH2. Also known as CDH2 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH2. It may not necessarily be applicable to this product.

NCBI GI #	14589889
NCBI GeneID	1000
NCBI Accession #	NP_001783.2
UniProt Primary Accession #	P19022

UniProt Related Accession #	P19022
GenBank Nucleotide #	NP_001783.2
NCBI Official Full Name	cadherin-2 isoform 1 preproprotein
NCBI Official Synonym Full Names	cadherin 2
NCBI Official Symbol	CDH2
NCBI Official Synonym Symbols	CDHN; NCAD; CD325; CDw325
UniProt Protein Name	Cadherin-2
UniProt Synonym Protein Names	CDw325; Neural cadherin
Protein Family	Cadherin
UniProt Gene Name	CDH2
UniProt Synonym Gene Names	CDHN; NCAD; N-cadherin
UniProt Entry Name	CADH2_HUMAN
NCBI Protein Information	cadherin-2
UniProt Comments for CDH2	CDH2: Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types. CDH2 may be involved in neuronal recognition mechanism. In hippocampal neurons, may regulate dendritic spine density. Interacts with CDCP1. Identified in a complex containing FGFR4, NCAM1, CDH2, PLCG1, FRS2, SRC, SHC1, GAP43 and CTTN. Interacts with PCDH8; this complex may also include TAOK2. The interaction with PCDH8 may lead to internalization through TAOK2/p38 MAPK pathway. Protein type: Motility/polarity/chemotaxis; Membrane protein, integral; Cell adhesion Chromosomal Location of Human Ortholog: 18q11.2 Cellular Component: cell-cell adherens junction; focal adhesion; lamellipodium; apical plasma membrane; integral to membrane; plasma membrane; synapse; intercellular junction; fascia adherens; catenin complex Molecular Function: protein binding; gamma-catenin binding; beta-catenin binding; calcium ion binding; protein phosphatase binding; alpha-catenin binding Biological Process: heterophilic cell adhesion; intercellular junction assembly and maintenance; muscle cell differentiation; cell migration; glial cell differentiation; positive regulation of MAPKKK cascade; calcium-dependent cell-cell adhesion; blood vessel morphogenesis; positive regulation of muscle cell differentiation; striated muscle cell differentiation; cell adhesion; homophilic cell adhesion
Research Articles on CDH2	**1.** Structural analysis of currently available homodimeric structures of both nectin-2 and N-cadherin followed by molecular docking as well as complementary mutagenesis studies revealed the binding interface of this novel interaction.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

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.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-mouse-rat-antibody/cdh2/8566156