M Cadherin (CDH15) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	M Cadherin (CDH15), Polyclonal Antibody
Full Product Name	M Cadherin (CDH15) (C-Term) Rabbit pAb
Product Gene Name	anti-CDH15 antibody
Product Synonym Names	Cadherin-15; Cadherin-14; Muscle cadherin; M-cadherin; CDH15; CDH14; CDH3
Clonality	Polyclonal
Isotype	Ig
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied in PBS with 0.09% (W/V) Sodium Azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Purity/Purification	Affinity Purified
OMIM	114019
3D Structure	ModBase 3D Structure for P55291
Immunogen	This M Cadherin (CDH15) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 739-767 amino acids from the C-terminal region of human M Cadherin (CDH15).
Cellular Localization	Cell Membrane, Membrane
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDH15 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-CDH15 antibody	WB: 1:8000 IHC: 1:10-50
Related Product Information for anti-CDH15 antibody	MBS8556824 is an antibody targeting CDH15. Also known as M Cadherin (CDH15) (C-Term) Rabbit pAb. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-CDH15 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH15. It may not necessarily be applicable to this product.

NCBI GI #	4826669
NCBI GeneID	1013
NCBI Accession #	NP_004924.1
UniProt Primary Accession #	P55291
UniProt Related Accession #	P55291
GenBank Nucleotide #	NP_004924.1

NCBI Official Full Name	cadherin-15 preproprotein
NCBI Official Synonym Full Names	cadherin 15
NCBI Official Symbol	CDH15
NCBI Official Synonym Symbols	CDH3; CDHM; MCAD; MRD3; CDH14
UniProt Protein Name	Cadherin-15
UniProt Synonym Protein Names	Cadherin-14; Muscle cadherin
Protein Family	Cadherin
UniProt Gene Name	CDH15
UniProt Synonym Gene Names	CDH14; CDH3; M-cadherin
UniProt Entry Name	CAD15_HUMAN
NCBI Protein Information	cadherin-15
NCBI Summary for CDH15	This gene is a member of the cadherin superfamily of genes, encoding calcium-dependent intercellular adhesion glycoproteins. Cadherins consist of an extracellular domain containing 5 cadherin domains, a transmembrane region, and a conserved cytoplasmic domain. Transcripts from this particular cadherin are expressed in myoblasts and upregulated in myotubule-forming cells. The protein is thought to be essential for the control of morphogenetic processes, specifically myogenesis, and may provide a trigger for terminal muscle cell differentiation. [provided by RefSeq, Jul 2008]
UniProt Comments for CDH15	CDH15: 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. M-cadherin is part of the myogenic program and may provide a trigger for terminal muscle differentiation. A chromosomal aberration involving CDH15 and KIRREL3 is found in a patient with severe mental retardation and dysmorphic facial features. Translocation t(11;16)(q24.2;q24). Defects in CDH15 are the cause of mental retardation autosomal dominant type 3 (MRD3). Mental retardation is characterized by significantly sub-average general intellectual functioning associated with impairments in adaptative behavior and manifested during the developmental period. Protein type: Membrane protein, integral Chromosomal Location of Human Ortholog: 16q24.3 Cellular Component: integral to membrane; plasma membrane; caveola; neuromuscular junction Molecular Function: calcium ion binding Biological Process: intercellular junction assembly and maintenance; muscle cell differentiation; positive regulation of muscle cell differentiation; homophilic cell adhesion; cell adhesion Disease: Mental Retardation, Autosomal Dominant 3
Research Articles on CDH15	**1.** Observational study of gene-disease association. (HuGE Navigator)
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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