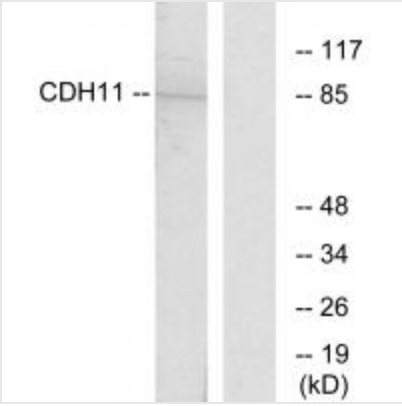
CDH11 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	CDH11, Polyclonal Antibody
Full Product Name	CDH11 Antibody
Product Gene Name	anti-CDH11 antibody
Product Synonym Names	CAD11; cadherin 11; type 2; cadherin 11; type 2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration	1.0 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total CDH11 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	76,457 Da
OMIM	600023
3D Structure	ModBase 3D Structure for P55287
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human CDH11.
Target Name	CDH11
Product Categories/Family for anti-CDH11 antibody	Total protein Ab
Applications Tested/Suitable for anti-CDH11 antibody	Western Blot (WB)
Application Notes for anti-CDH11 antibody	Western blotting: 1:500~1:3000
Related Product Information for anti-CDH11 antibody	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.Tanihara H., Cell Adhes. Commun. 2:15-26(1994).Okazaki M., J. Biol. Chem. 269:12092-12098(1994).Suzuki S., Cell Regul. 2:261-270(1991).
Other Notes	Small volumes of anti-CDH11 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 CDH11 purchase	MBS9406180 is an antibody targeting CDH11. Also known as CDH11 Antibody. Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-CDH11 antibody
Western blot analysis of extracts from Jurkat cells, using CDH11 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CDH11. It may not necessarily be applicable to this product.

NCBI GI #	16306532
NCBI GeneID	1009
NCBI Accession #	NP_001788.2
UniProt Primary Accession #	P55287
UniProt Secondary Accession #	Q15065; Q15066; Q9UQ93; Q9UQ94; A8K5D6; A8MZC8; B7WP28
UniProt Related Accession #	P55287
GenBank Nucleotide #	NM_001797.3
NCBI Official Full Name	cadherin-11 isoform 1 preproprotein
NCBI Official Synonym Full Names	cadherin 11, type 2, OB-cadherin (osteoblast)
NCBI Official Symbol	CDH11
NCBI Official Synonym Symbols	OB; CAD11; CDHOB; OSF-4
UniProt Protein Name	Cadherin-11
UniProt Synonym Protein Names	OSF-4; Osteoblast cadherin; OB-cadherin
Protein Family	Cadherin
UniProt Gene Name	CDH11
UniProt Synonym Gene Names	OB-cadherin
UniProt Entry Name	CAD11_HUMAN
NCBI Protein Information	cadherin-11
NCBI Summary for CDH11	This gene encodes a type II classical cadherin from the cadherin superfamily, integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. Expression of this particular cadherin in osteoblastic cell lines, and its upregulation during differentiation, suggests a specific function in bone development and maintenance. [provided by RefSeq, Jul 2008]

UniProt Comments for CDH11	CDH11: 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. Interacts with PCDH8. Expressed mainly in brain but also found in other tissues. Expressed in neuroblasts. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Membrane protein, integral; Cell adhesion; Motility/polarity/chemotaxis Chromosomal Location of Human Ortholog: 16q21 Cellular Component: cytoplasm; plasma membrane; integral to membrane Molecular Function: calcium ion binding Biological Process: intercellular junction assembly and maintenance; ossification; homophilic cell adhesion; corticospinal tract morphogenesis; cell adhesion; skeletal development
Research Articles on CDH11	**1.** evidence for the involvement of CDH11 in Autism Spectrum Disorder which is consistent with the association of other cadherins with Autism Spectrum Disorder and neuropsychiatric diseases
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