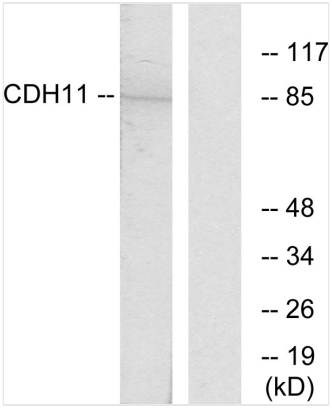
CDH11 Antibody

PRODUCT OVERVIEW

Product Name	CDH11, Antibody
Full Product Name	CDH11 Antibody
Product Gene Name	anti-CDH11 antibody
Product Synonym Names	CAD11; cadherin 11, type 2; cadherin 11, type 2, OB-cadherin (osteoblast); cadherin-11; CDHOB; OB; OB-cadherin; OSF-4; osteoblast-cadherin
Species Reactivity	Human, Mouse
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	CDH11 antibody detects endogenous levels of total CDH11 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	76,457 Da
OMIM	600023
3D Structure	ModBase 3D Structure for P55287
Immunogen	The antiserum was produced against synthesized peptide derived from internal of human CDH11.
Product Categories/Family for anti-CDH11 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CDH11 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-CDH11 antibody	WB: 1:500~1:1000 ELISA: 1:20000
Related Product Information for anti-CDH11 antibody	MBS852542 is an antibody targeting CDH11. Also known as CDH11 Antibody. Reactive in Human, Mouse.
Product References and Citations for anti-CDH11 antibody	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.



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 #	862669342
NCBI GeneID	1009
NCBI Accession #	NP_001295321.1
UniProt Primary Accession #	P55287
UniProt Secondary Accession #	Q15065; Q15066; Q9UQ93; Q9UQ94; A8K5D6; A8MZC8; B7WP28
UniProt Related Accession #	P55287
GenBank Nucleotide #	NM_001308392.1
NCBI Official Full Name	cadherin-11 isoform 2
NCBI Official Synonym Full Names	cadherin 11
NCBI Official Symbol	CDH11
NCBI Official Synonym Symbols	OB; ESWS; 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
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	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.
Research Articles on CDH11	**1.** This study reveals loss-of-function mutations in CDH11 as a probable cause of Elsahy-Waters syndrome phenotype.

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