

Mouse anti-Human, Rat OB-Cadherin / Cadherin-11 Monoclonal Antibody | anti-CDH11 antibody

Mouse anti OB-Cadherin / Cadherin-11

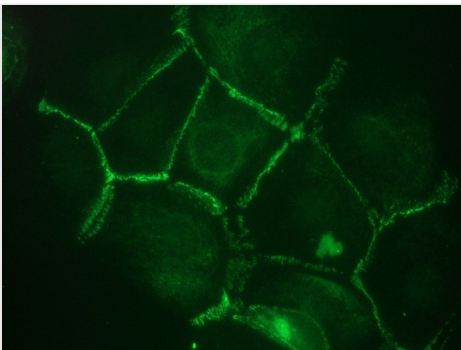
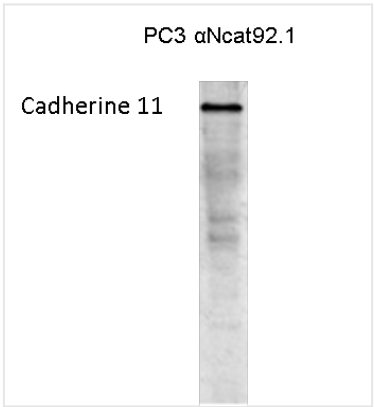
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77469	Mouse	Human, Rat	Western Blot, Immunohistochemistry, Immunocytochemistry, Immunoblot, Western Blot

PRODUCT SYNONYMS

OB-Cadherin / Cadherin-11; Monoclonal Antibody; Mouse anti OB-Cadherin / Cadherin-11; anti-CDH11 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	16A
Specificity	16A recognizes the extracellular domain of cadherin-11.
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-CDH11 antibody	WB (Western Blot), IHC (Immunohistochemistry), ICC (Immunocytochemistry), IB (Immunoblot)
Product Type	Primary Antibodies
Host Note	16A is a Mouse monoclonal IgG1 antibody obtained by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BALB/c Mouse immunized with affinity purified extracellular domain of Human cadherin-11-GST fusion protein.
Caution	This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strong acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.
Preparation and Storage	The antibody is shipped at ambient temperature and may be stored at +4°C. For prolonged storage prepare appropriate aliquots and store at or below -20°C. Prior to use, an aliquot is thawed slowly in the dark at ambient temperature, spun down again and used to prepare working dilutions by adding sterile phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. Working dilutions should be stored at +4°C, not refrozen, and preferably used the same day. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance or the concentration of the product.



Application Data
Figure 1: Immunocytochemistry on Cadherine 11 transfected PC3 cells

Application Data
Figure 2: Western blot on a lysate of Cadherine 11 transfected PC3 cells

ADDITIONAL INFORMATION

Related Product Information for anti-CDH11 antibody	Cadherins constitute a family of transmembrane glycoproteins involved in Ca2+-dependent cell-cell interactions. The members of this family are differentially expressed in various tissues. They function in the maintenance of tissue integrity and morphogenesis. The cadherins generally contain five extracellular repeats, a transmembrane domain and a cytoplasmic tail that binds to the Catenin family of cytoskeletal anchoring proteins which also function as signal transducers. The extracellular domains are responsible for the specificity of homophilic interactions between cells expressing the same cadherin. Cadherins are divided into type I and type II subgroups. Type I cadherins include epithelial cadherin (E-cadherin, cadherin-1 or uvomorulin), neural cadherin (N-cadherin or cadherin-2), placental cadherin (P-cadherin or cadherin-3) and retinal cadherin (R-cadherin or cadherin-4). Kidney cadherin (K-cadherin or cadherin-6) and osteoblast cadherin (OB-cadherin or cadherin-11) are type II cadherins. The progression of carcinomas is associated with the loss of epithelial morphology and a concomitant acquisition of a more mesenchymal phenotype, which is thought to contribute to the invasive and/or metastatic behavior. A putative role for cadherin-11 in these late stages of tumor progression is based on the fact that migRation of mesenchymal cells is facilitated when cadherin-11 is highly expressed.
Product Categories/Family for anti-CDH11 antibody	Cell adhesion; Cell adhesion
References	Bussemakers, M. J., Van Bokhoven, A., Tomita, K., Jansen, C. F., and Schalken, J. A. (2000). Complex cadherin expression in Human prostate cancer cells, Int J Cancer 85, 446-50. Tomita, K., van Bokhoven, A., van Leenders, G. J., Ruijter, E. T., Jansen, C. F., Bussemakers, M. J., and Schalken, J. A. (2000). Cadherin switching in Human prostate cancer progression, Cancer Res 60, 3650-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306532
NCBI GeneID	1009
NCBI Accession #	NP_001788.2
NCBI GenBank Nucleotide #	NM_001797.2
UniProt Accession #	P55287; Q15065; Q15066; Q9UQ93; Q9UQ94; A8K5D6; A8MZC8; B7WP28; Q59EQ1; Q96CZ9
NCBI Official Full Name	cadherin-11 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
NCBI Protein Information	cadherin-11; OTTHUMP00000174770; OTTHUMP00000174771

UniProt Protein Name	Cadherin-11
UniProt Gene Name	CDH11
UniProt Entry Name	CAD11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ob-cadherin-cadherin-11-antibody-clone-16a-western-blot-immunohistochemistry-immunocytochemistry-immunoblot-elisa/77469>