

Mouse anti-Human, Rat K-Cadherin/Cadherin-6 Monoclonal Antibody | anti-CDH6 antibody

Mouse anti K-Cadherin/Cadherin-6

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA77463	Mouse	Human, Rat	Western Blot, Immunohistochemistry, Immunohistochemistry, Immunocytochemistry

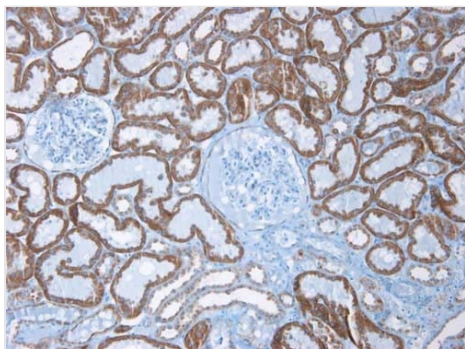
PRODUCT SYNONYMS

K-Cadherin/Cadherin-6; Monoclonal Antibody; Mouse anti K-Cadherin/Cadherin-6; anti-CDH6 antibody

PRODUCT SPECIFICATIONS

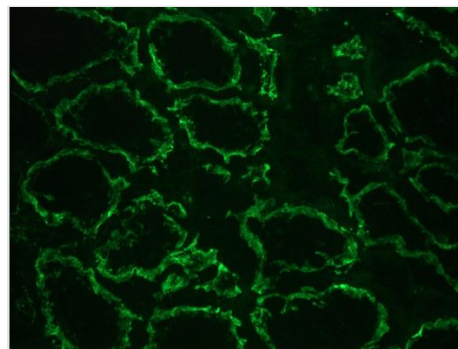
Host	Mouse
Reactivity	Human, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	2B6
Specificity	2B6 recognizes the extracellular domain of cadherin-6.
Form/Format	Each vial contains 100 ul 1 mg/ml purified monoclonal antibody in PBS containing 0.09% sodium azide.
Applicable Applications for anti-CDH6 antibody	WB (Western Blot), IHC (Immunohistochemistry), IHC (Immunohistochemistry), ICC (Immunocytochemistry)
Source Note	2B6 is a Mouse monoclonal IgG1 antibody obtained by fusion of SP2/0 Mouse myeloma cells with spleen cells from a BABL/c Mouse immunized with affinity purified extracellular domain of Human cadherin-6-GST fusion protein.
Preparation and Storage	Store at 4 degree C, or in small aliquots at -20 degree C.

IMAGES



Application Data

Figure 2: Immunohistochemistry on paraffin section of human kidney



Application Data

Figure 1: Immunohistochemistry on frozen section of human kidney: positive reactivity in renal tubules (epithelium)

ADDITIONAL INFORMATION

Related Product Information for anti-CDH6 antibody	Cadherins constitute a family of transmembrane glycoproteins involved in Ca ²⁺ -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. Cadherin-6 is expressed in the proximal tubule epithelium of the kidney from which most renal cell carcinomas are derived.
Product Categories/Family for anti-CDH6 antibody	Cell adhesion ; Cell adhesion
References	Shimazui, T., Oosterwijk, E., Akaza, H., Bringuier, P., Ruijter, E., van Berkel, H., Wakka, J. O., van Bokhoven, A., Debruyne, F. M., and Schalken, J. A. (1998). Expression of cadherin-6 as a novel diagnostic tool to predict prognosis of patients with E-cadherin-absent renal cell carcinoma, Clin Cancer Res 4, 2419-24. Shimazui, T., Oosterwijk-Wakka, J., Akaza, H., Bringuier, P. P., Ruijter, E., Debruyne, F. M., Schalken, J. A., and Oosterwijk, E. (2000). Alterations in expression of cadherin-6 and E-cadherin during kidney development and in renal cell carcinoma, Eur Urol 38, 331-8.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826673
NCBI GeneID	1004
NCBI Accession #	NP_004923.1
NCBI GenBank Nucleotide #	NM_004932.3
UniProt Accession #	P55285 ; Q9BWS0 ; A8K5H5
Molecular Weight	88,309 Da
NCBI Official Full Name	cadherin-6 preproprotein
NCBI Official Synonym Full Names	cadherin 6, type 2, K-cadherin (fetal kidney)
NCBI Official Symbol	CDH6
NCBI Official Synonym Symbols	CAD6; KCAD; FLJ14176; DKFZp564N1116
NCBI Protein Information	cadherin-6; OTTHUMP00000115839; OTTHUMP00000220908
UniProt Protein Name	Cadherin-6
UniProt Gene Name	CDH6
UniProt Entry Name	CADH6_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/k-cadherin-cadherin-6-antibody-clone-2b6-western-blot-immunohistochemistry-immunohistochemistry-immunocytochemistry-elisa/77463>