

Rabbit anti-Human Cadherin 16 Monoclonal Antibody | anti-CDH16 antibody

Cadherin 16 Rabbit mAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA282778	Rabbit	Human	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

PRODUCT SYNONYMS

Cadherin 16; Monoclonal Antibody; Cadherin 16 Rabbit mAb; Ksp cadherin; anti-CDH16 antibody

PRODUCT SPECIFICATIONS

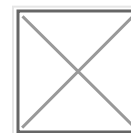
Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	GAEGQIVLSG DSGKATEGPF AMDPDSGFL VTRALDREEQ AEYQLQVTLE MQDGHVLWGP QPVLVHVKDE NDQVPFHSQA IYRARLSRGT RPGIPFLFLE ASDRDEPGTA NSDLRFHLS QAPAQSPDM F
Applicable Applications for anti-CDH16 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 50-180 of human Cadherin 16 (O75309).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



IF (Immunofluorescence)

Immunofluorescence analysis of paraffin-embedded mouse kidney using Cadherin 16 Rabbit mAb (AAA282778) at dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of lysates from Mouse kidney, using Cadherin 16 Rabbit mAb (AAA282778) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH16 antibody	This gene is a member of the cadherin superfamily, genes encoding calcium-dependent, membrane-associated glycoproteins. Mapped to a previously identified cluster of cadherin genes on chromosome 16q22.1, the gene localizes with superfamily members CDH1, CDH3, CDH5, CDH8 and CDH11. The protein consists of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain but lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins. Expression is exclusively in kidney, where the protein functions as the principal mediator of homotypic cellular recognition, playing a role in the morphogenic direction of tissue development. Alternatively spliced transcript variants encoding distinct isoforms have been identified.
Product Categories/Family for anti-CDH16 antibody	Signal Transduction; Cell Biology Developmental Biology; Cell Adhesion; Cadherins; Cytoskeleton; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	325296969
NCBI GeneID	1014
NCBI Accession #	NP_001191673.1
NCBI GenBank Nucleotide #	NM_001204744.1
UniProt Accession #	O75309; Q6UW93; B4DPA8; H3BPD3
Molecular Weight	Calculated MW: 90kDa Observed MW: 120kDa
UniProt Protein Name	Cadherin-16
UniProt Gene Name	CDH16
UniProt Synonym Gene Names	Ksp-cadherin
UniProt Entry Name	CAD16_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/cadherin-16-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/282778>