

Rabbit anti-Human CDH10 Polyclonal Antibody | anti-CDH10 antibody

CDH10 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287663	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

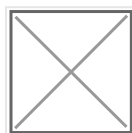
PRODUCT SYNONYMS

CDH10; Polyclonal Antibody; CDH10 Antibody (N-term); Cadherin-10; T2-cadherin; anti-CDH10 antibody

PRODUCT SPECIFICATIONS

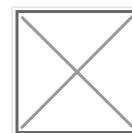
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Clone Number	RB13735
Specificity	This CDH10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 25-55 amino acids from the N-terminal region of human CDH10.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	25-55
Sequence Length	788
Applicable Applications for anti-CDH10 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Function	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.
Cellular Location	Cell membrane; Single-pass type I membrane protein
Tissue Location	Predominantly expressed in brain. Also found in adult and fetal kidney. Very low levels detected in prostate and fetal lung.
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)

Flow cytometric analysis of CEM cells using Cadherin 10 (CDH10) Antibody (N-term) (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



IHC (Immunohistochemistry)

Formalin-fixed and paraffin-embedded human brain tissue reacted with CDH10 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



WB (Western Blot)

Western blot analysis of CDH10 Antibody (N-term) in CEM cell line lysates (35ug/lane).
CDH10 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-CDH10 antibody	CDH10 is 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. The extracellular domain consists of 5 subdomains, each containing a cadherin motif, and appears to determine the specificity of the protein's homophilic cell adhesion activity. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is predominantly expressed in brain and is putatively involved in synaptic adhesions, axon outgrowth and guidance.
Product Categories/Family for anti-CDH10 antibody	Neuroscience; Signal Transduction
References	Kools,P., FEBS Lett. 452 (3), 328-334 (1999)

NCBI AND UNIPROT INFORMATION

NCBI GI #	16306530
NCBI GeneID	1008
NCBI Accession #	NP_006718.2
NCBI GenBank Nucleotide #	NM_006727.3
UniProt Accession #	Q9Y6N8; Q9ULB3
Molecular Weight	Calculated MW: 88451
NCBI Official Full Name	cadherin-10 preproprotein
NCBI Official Synonym Full Names	cadherin 10, type 2 (T2-cadherin)
NCBI Official Symbol	CDH10
NCBI Protein Information	cadherin-10
UniProt Protein Name	Cadherin-10
UniProt Gene Name	CDH10
UniProt Entry Name	CAD10_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/polyclonal/cdh10-antibody-clone-rb13735-flow-cytometry-immunohistochemistry-western-blot-elisa/287663>