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CDH10 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1482c

Specification

CDH10 Antibody (N-term) - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	Q9Y6N8
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**88451**
Antigen Region	**25-55**

CDH10 Antibody (N-term) - Additional Information

Gene ID 1008

Other Names
Cadherin-10, T2-cadherin, CDH10

Target/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.

Dilution
WB~~1:1000
IHC-P~~1:10~50
FC~~1:10~50

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.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
CDH10 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

CDH10 Antibody (N-term) - Protein Information

Name CDH10

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

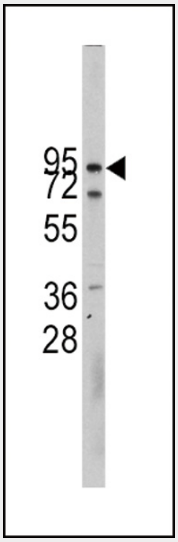
Tissue Location
Predominantly expressed in brain. Also found in adult and fetal kidney. Very low levels detected in prostate and fetal lung.

CDH10 Antibody (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

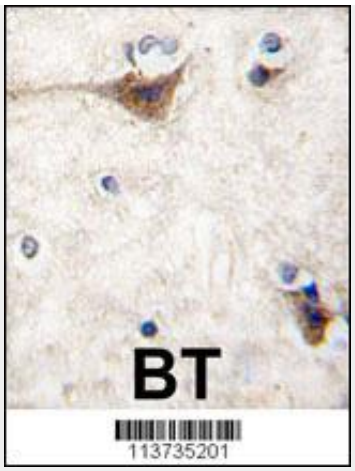
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

CDH10 Antibody (N-term) - Images

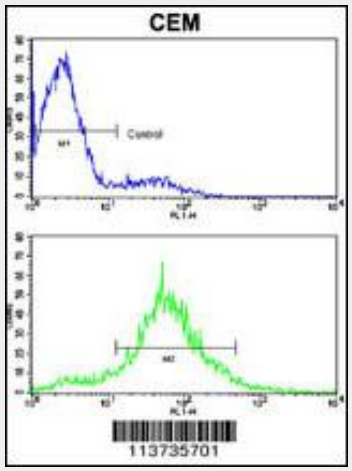


Western blot analysis of CDH10 Antibody (N-term) in CEM cell line lysates (35ug/lane). CDH10 (arrow) was detected using the purified Pab.

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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.



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.

CDH10 Antibody (N-term) - Background

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.

CDH10 Antibody (N-term) - References

Kools,P., FEBS Lett. 452 (3), 328-334 (1999)