

### **CDH10 Antibody (N-term)**

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP1482c

## **Specification**

## CDH10 Antibody (N-term) - Product Information

Application FC, WB, IHC-P,E

Primary Accession
Reactivity
Human
Host
Clonality
Polyclonal
Isotype
Calculated MW
Antigen Region

P9Y6N8
Human
Rabbit
Polyclonal
Rabbit IgG
Rabbit IgG

## 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**

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

E~~Use at an assay dependent concentration.

#### **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

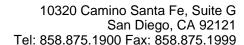
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **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**

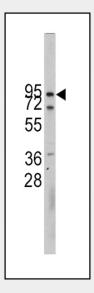
Predominantly expressed in brain. Also found in adult and fetal kidney. Very low levels detected in prostate and fetal lung.

## CDH10 Antibody (N-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

## CDH10 Antibody (N-term) - Images

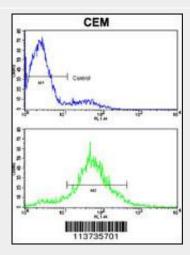


Western blot analysis of CDH10 Antibody (N-term) in CEM cell line lysates (35ug/lane). CDH10 (arrow) was detected using the purified Pab.





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)