

# CDH10 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1482b

## Product Information

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<b>Application</b>	WB, IHC-P, FC, E
<b>Primary Accession</b>	<a href="#">Q9Y6N8</a>
<b>Other Accession</b>	<a href="#">P70408</a> , <a href="#">P79995</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Predicted</b>	Chicken, Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB12868
<b>Calculated MW</b>	88451
<b>Antigen Region</b>	495-523

## Additional Information

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<b>Gene ID</b>	1008
<b>Other Names</b>	Cadherin-10, T2-cadherin, CDH10
<b>Target/Specificity</b>	This CDH10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 495-523 amino acids from the C-terminal region of human CDH10.
<b>Dilution</b>	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	CDH10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	CDH10
<b>Function</b>	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.

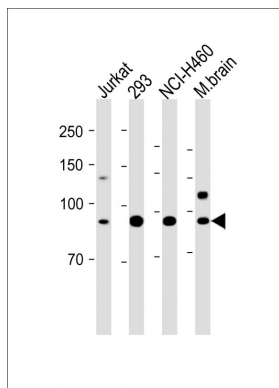
## Background

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.

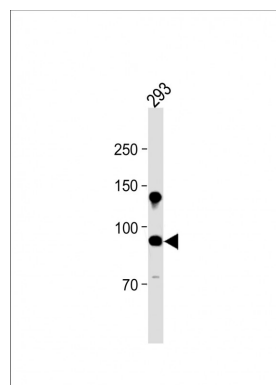
## References

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

## Images

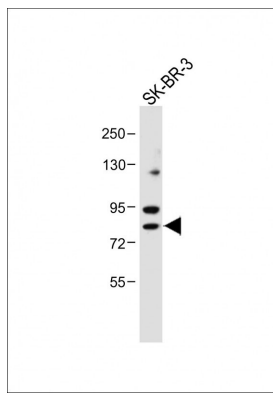


All lanes: Anti-CDH10 Antibody (C-term) at 1:2000 dilution  
Lane 1: Jurkat whole cell lysate Lane 2: 293 whole cell lysate Lane 3: NCI-H460 whole cell lysate Lane 4: Mouse brain lysate Lysates/proteins at 20 µg per lane.  
Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 88 KDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes: Anti-CDH10 Antibody (C-term) at 1:2000 dilution + 293 whole cell lysate Lysates/proteins at 20 µg per lane.  
Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 88 KDa Blocking/Dilution buffer: 5% NFDM/TBST.

Anti-CDH10 Antibody (C-term) at 1:2000 dilution + SK-BR-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 88 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



## Citations

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- [Alterations of type II classical cadherin Cadherin-10 \(CDH10\) is associated with pancreatic ductal adenocarcinomas.](#)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.