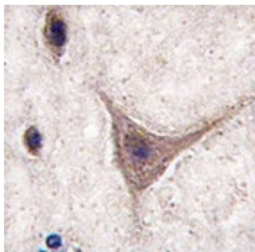


## Cadherin 10 Antibody / CDH10 (F54699)

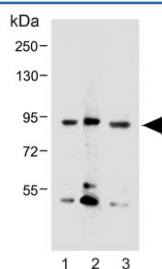
Catalog No.	Formulation	Size
F54699-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54699-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

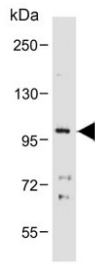
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity purified
<b>UniProt</b>	Q9Y6N8
<b>Applications</b>	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10 <sup>6</sup> cells) Immunohistochemistry (FFPE) : 1:25
<b>Limitations</b>	This Cadherin 10 antibody is available for research use only.



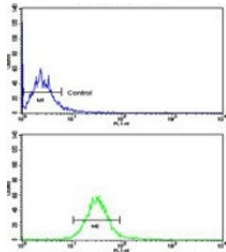
IHC testing of FFPE human brain tissue with Cadherin 10 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing testing of 1) human SK-BR-3, 2) human NCI-H460 and 3) mouse F9 cell lysate with Cadherin 10 antibody. Predicted molecular weight ~88 kDa but may be observed at higher molecular weights due to glycosylation.



Western blot testing testing of rat C6 cell lysate with Cadherin 10 antibody. Predicted molecular weight ~88 kDa but may be observed at higher molecular weights due to glycosylation.



Flow cytometry testing of human NCI-H460 cells with Cadherin 10 antibody; Blue=isotype control, Green= Cadherin 10 antibody.

## Description

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.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the Cadherin 10 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 495-523 from the human protein was used as the immunogen for the Cadherin 10 antibody.

## Storage

Aliquot the Cadherin 10 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.