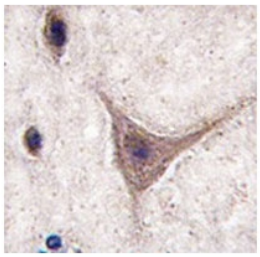
Cadherin 10 Antibody / CDH10 (F54699)

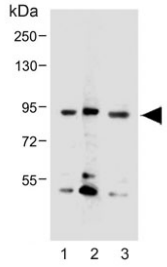
Catalog No.	Formulation	Size
F54699-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54699-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

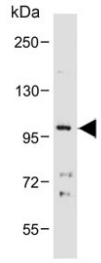
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q9Y6N8
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This Cadherin 10 antibody is available for research use only.



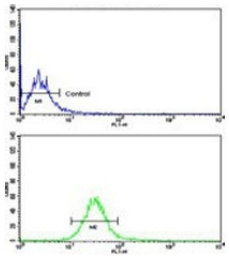
IHC testing of FFPE human brain tissue with Cadherin 10 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



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 -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com