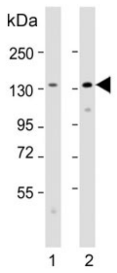
Cadherin 4 Antibody / CDH4 / R-Cadherin (F54374)

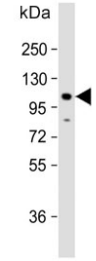
Catalog No.	Formulation	Size
F54374-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54374-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

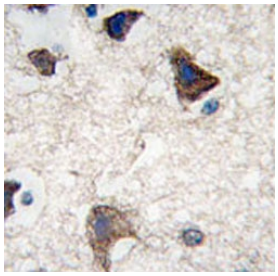
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	P55283
Applications	Immunohistochemistry (FFPE): 1:25 Immunofluorescence: 1:25 Flow cytometry: 1:25 (1x10e6 cells) Western blot: 1:500-1:2000
Limitations	This Cadherin 4 antibody is available for research use only.



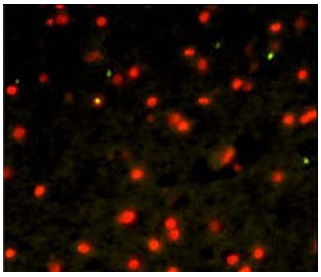
Western blot testing of human 1) A431 and 2) SH-SY5Y cell lysate with Cadherin 4 antibody. Expected molecular weight: 100-140 kDa depending on glycosylation level.



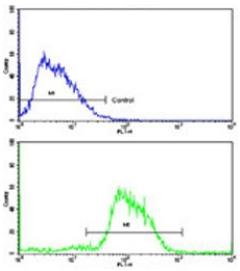
Western blot testing of human HepG2 cell lysate with Cadherin 4 antibody. Expected molecular weight: 100-140 kDa depending on glycosylation level.



IHC testing of FFPE human brain tissue with Cadherin 4 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Immunofluorescent staining of human brain tissue with Cadherin 4 antibody (green) and Propidium iodide (red).



Flow cytometry testing of human HepG2 cells with Cadherin 4 antibody; Blue=isotype control, Green= Cadherin 4 antibody.

Description

CDH4 is a classical cadherin from the cadherin superfamily. It is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization.

Application Notes

The stated application concentrations are suggested starting points. Titration of the Cadherin 4 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 175-203 from the human protein was used as the immunogen for the Cadherin 4 antibody.

Storage

Aliquot the Cadherin 4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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