

For Research Use Only

N-cadherin Polyclonal antibody

Catalog Number: 13769-1-AP

56 Publications



Basic Information

Catalog Number:

13769-1-AP

Concentration:

320 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4752

GenBank Accession Number:

BC036470

GeneID (NCBI):

1000

UNIPROT ID:

P19022

Full Name:

cadherin 2, type 1, N-cadherin (neuronal)

Calculated MW:

906 aa, 100 kDa

Observed MW:

90 kDa, 140 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:500-1:1000

IHC: 1:50-1:500

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : HEK-293 cells, C6 cells

IHC : human heart tissue,

Background Information

Cadherins are a family of transmembrane glycoproteins that mediate calcium-dependent cell-cell adhesion and play an important role in the maintenance of normal tissue architecture. N-cadherin (neural cadherin), also known as CDH2 (cadherin 2), is a classical member of the cadherin superfamily which also include E-, P-, R-, and B-cadherins. Expression of N-cadherin has been reported on various cell types including neurons, endothelial cells and cardiac myocytes (PMID: 11282032; 9508779; 8125202). N-cadherin has functions in early brain morphogenesis, synaptogenesis and synaptic plasticity (PMID: 23321619).

Notable Publications

Author	Pubmed ID	Journal	Application
Heling Dong	26360620	Endocrinology	WB, IHC, IF
Jifeng Ye	31583050	Oxid Med Cell Longev	WB
Mustafa Hoca	31595775	Nutr Cancer	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 13769-1-AP (N-cadherin antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 13769-1-AP (N-cadherin Antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 13769-1-AP (N-cadherin Antibody) at dilution of 1:50 (under 40x lens).