

For Research Use Only

N-cadherin Polyclonal antibody

Catalog Number: 13769-1-AP **46 Publications**



Basic Information

| | | |
|--|--|--|
| Catalog Number: 13769-1-AP | GenBank Accession Number: BC036470 | Purification Method: Antigen affinity purification |
| Size: 320 µg/ml | GeneID (NCBI): 1000 | Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P19022 | |
| Isotype: IgG | Full Name: cadherin 2, type 1, N-cadherin (neuronal) | |
| Immunogen Catalog Number: AG4752 | Calculated MW: 906 aa, 100 kDa | |
| | Observed MW: 90 kDa, 140 kDa | |

Applications

| | |
|--|--|
| Tested Applications: IHC, WB, ELISA | Positive Controls: WB : HEK-293 cells, C6 cells IHC : human heart tissue, |
| Cited Applications: IF, IHC, WB | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, rat, mouse | |

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

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 pH 7.3.
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).