

For Research Use Only

N-cadherin Recombinant antibody

Catalog Number: 82968-1-RR



Basic Information

Catalog Number: 82968-1-RR	GenBank Accession Number: NM_001792.4	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by 1000 Nanodrop;	GeneID (NCBI): P19022-1	CloneNo.: 230259H5
Source: Rabbit	UNIPROT ID: P19022-1	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: cadherin 2, type 1, N-cadherin (neuronal)	
	Calculated MW: 100 kDa	
	Observed MW: 130 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HEK-293 cells
Species Specificity: Human	

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 130-kDa transmembrane protein and a classical member of the cadherin superfamily which also includes 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). The N-cadherin ectodomain can be cleaved, leading to the generation of a 90 kD N-terminal fragment (PMID: 16998833; 17028923).

Storage

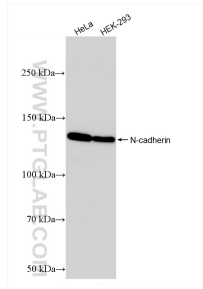
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82968-1-RR (N-cadherin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.