For Research Use Only

N-cadherin Monoclonal antibody

Catalog Number:66219-1-lg Featured Product

206 Publications



Basic Information	Catalog Number: 66219-1-1g	Siz19-1-lgBC036470Protein G purificationze:GeneID (NCBI):CloneNo.:Sioul, Concentration: 2000 ug/ml by10001D8B3anodrop;UNIPROT ID:Recommended Dilutions:purce:P19022WB: 1:5000-1:50000poseFull Name:IHC: 1:7500-1:30000otype:cadherin 2, type 1, N-cadherinIF-P: 1:200-1:800G1(neuronal)Calculated MW:								
	Size:			CloneNo.: 1D8B3 Recommended Dilutions: WB: 1:5000-1:50000 IHC: 1:7500-1:30000						
					Observed MW: 130 kDa					
					Applications	Tested Applications: WB, IHC, IF-P, ELISA		Positive Controls:		
						Cited Applications: WB, IHC, IF		tissue, MKN	WB : rabbit brain tissue, pig brain tissue, human hear tissue, MKN-45 cells, HEK-293 cells, PC-3 cells, mous brain tissue, rat brain tissue, C2C12 cells, C6 cells,	
				Species Specificity:				Saos-2 cells, SGC-7901 cells, ROS1728 cells, NIH/3T3 cells		
		human, mouse, rat, pig, rabbit		cells						
Cited Species: human, mouse, rat, pig, monkey		malignant	IHC : mouse heart tissue, mouse brain tissue, humar malignant melanoma tissue, human ovary tumor							
Note-IHC: suggested antigen r TE buffer pH 9.0; (*) Alternativ retrieval may be performed w buffer pH 6.0	vely, antigen		tissue, rat heart tissue IF-P : mouse heart tissue,							
Background Information	play an important role in the mainter as CDH2 (cadherin 2), is a 130-kDa tra which also include E-, P-, R-, and B-cae including neurons, endothelial cells a functions in early brain morphogenes	nance of normal ti ansmembrane pro dherins. Expressio and cardiac myocy sis, synaptogenes	ssue architecture. tein and a classica on of N-cadherin ha ytes (PMID: 112820 is and synaptic pla	lcium-dependent cell-cell adhesion and N-cadherin (neural cadherin), also known al member of the cadherin superfamily as been reported on various cell types 032; 9508779; 8125202). N-cadherin has Isticity (PMID: 23321619). The N-cadherin nal fragment (PMID: 16998833; 17028923						
Notable Publications	Author Pub	omed ID	Journal	Application						
	Xia Peng 362	247281	Am J Transl Res	WB						
	Wenjing Guo 331	117682	Front Oncol	WB						
	Jian Zhang 276	645581	Sci Rep	IF						
otorage	Storage: Store at -20°C. Stable for one year after shipment. Storage Buffer: PBS with 0.02% sodium azide and 50% glycerol, pH7.3									
*** 20ul sizes contain 0.1% BSA	Aliquoting is unnecessary for -20 $^{\circ}$ C s	torage								
or technical support and original validation da			This product is exclusively available under Proteinte							

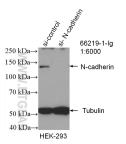
For technical support and original validation data for this product please contact: T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com

in USA), or 1(312) 455-8498 (outside USA)

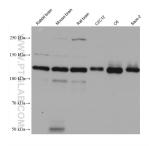
W: ptglab.com

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

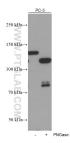
Selected Validation Data



WB result of N-cadherin antibody (66219-1-lg; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-N-cadherin transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 66219-1-Ig (Ncadherin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



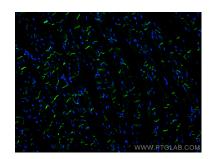
Untreated and PNGase F-treated lysates of PC-3 cells were subjected to SDS PAGE followed by western blot with 66219-1-lg (N-cadherin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



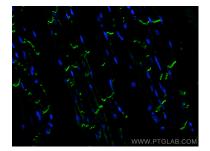
Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 66219-1-Ig (N-cadherin antibody) at dilution of 1:15000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



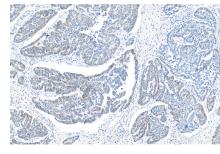
Immunohistochemical analysis of paraffinembedded mouse heart tissue slide using 66219-1-Ig (N-cadherin antibody) at dilution of 1:15000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



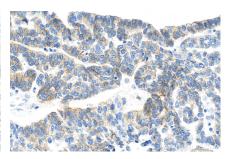
Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using N-cadherin antibody (66219-1-Ig, Clone: 1D8B3) at dilution of 1:400 and Coralite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using Ncadherin antibody (66219-1-Ig, Clone: 1D8B3) at dilution of 1:400 and CoraLite@488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 66219-1-Ig (N-cadherin antibody) at dilution of 1:5000 (under 10% lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human ovary tumor tissue slide using 66219-1-Ig (N-cadherin antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).