

À des fins de recherche uniquement

Anticorps Monoclonal anti-N-cadherin



Numéro de catalogue: 66219-1-Ig

Phare

131 Publications

Informations de base

Numéro de catalogue: 66219-1-Ig	Numéro d'acquisition GenBank: BC036470	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2000 µg/ml by Nanodrop;	Identification du gène (NCBI): 1000	CloneNo.: 1D8B3
Hôte: Mouse	Nom complet: cadherin 2, type 1, N-cadherin (neuronal)	Dilutions recommandées: WB 1:1000-1:8000 IHC 1:7500-1:30000 IF 1:50-1:500
Isotype: IgG1	MW calculé: 906 aa, 100 kDa	
Immunogen Catalog Number: AG4996	MW observés: 130 kDa	

Applications

Applications testées:

IF, IHC, WB, ELISA

Demandes citées:

IF, IHC, WB

Spécificité de l'espèce:

Humain, Lapin, porc, rat, souris

Espèces citées:

Humain, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

WB : cellules MKN-45, cellules C2C12, cellules C6, cellules HEK-293, cellules NIH/3T3, cellules PC-3, cellules ROS1728, cellules SGC-7901, tissu cardiaque humain, tissu cérébral de lapin, tissu cérébral de porc, tissu cérébral de rat, tissu cérébral de souris

IHC : tissu cardiaque de souris, tissu cardiaque de rat, tissu cérébral de souris

IF : tissu cardiaque de souris,

Informations générales

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 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). The N-cadherin ectodomain can be cleaved, leading to the generation of a 90 kD N-terminal fragment (PMID: 16998833; 17028923).

Publications notables

Autrice	Pubmed ID	Journal	Application
Xia Peng	36247281	Am J Transl Res	WB
Wenjing Guo	33117682	Front Oncol	WB
Jian Zhang	27645581	Sci Rep	IF

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

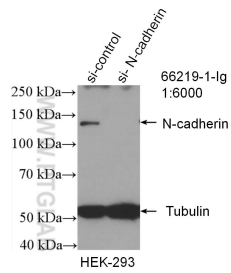
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

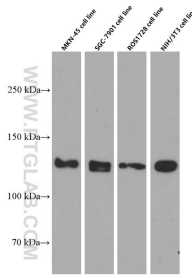
E: proteintech@ptglab.com
W: ptglab.com

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

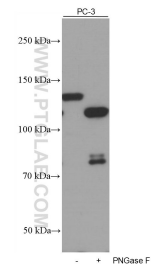
Données de validation sélectionnées



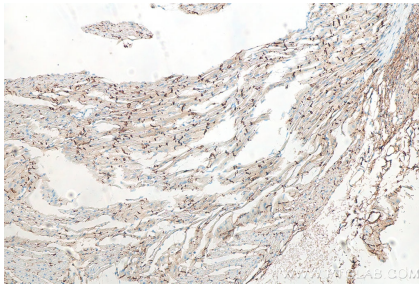
WB result of N-cadherin antibody (66219-1-Ig; 1:6000; incubated at room temperature for 1.5 hours) with sh-Control and sh-N-cadherin transfected HEK-293 cells.



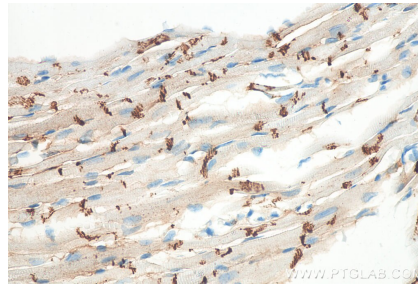
Various lysates were subjected to SDS PAGE followed by western blot with 66219-1-Ig (N-cadherin Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



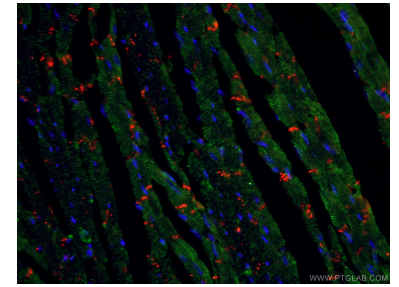
Untreated and PNGase F-treated lysates of PC-3 cells were subjected to SDS PAGE followed by western blot with 66219-1-Ig (N-cadherin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. PNGase F was obtained from Atagenix (cat.NO. ata808).



Immunohistochemical analysis of paraffin-embedded 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 paraffin-embedded 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 mouse heart tissue using 66219-1-Ig (N-cadherin antibody) at dilution of 1:100 and Coralite594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 11313-2-AP (alpha Actinin) in green.