

Nur für Forschungszwecke

N-cadherin Polyklonaler Antikörper

Katalog-Nr.: 22018-1-AP

Vorgestelltes Produkt

804 Publikationen



Allgemeine Informationen

Katalog-Nr.: 22018-1-AP	GenBank-Zugangsnummer: BC036470	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 650 µg/ml von Nanodrop;	GeneID (NCBI): 1000	Empfohlene Verdünnungen: WB 1:2000-1:16000 IP 0.5-4.0 µg für IP und 1:500-1:3000 für WB
Wirt: Kaninchen	Vollständiger Name: cadherin 2, type 1, N-cadherin (neuronal)	IHC 1:1000-1:4000 IF 1:50-1:500
Isotyp: IgG	Berechnete Masse: 906 aa, 100 kDa	
Immunogen Katalognummer: AG16792	Beobachtete Masse: 130 kDa	

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, FC, IF, IHC, WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Hamster, Human, Hund, Maus, Ratte, Rind, Gecko

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: Maushirngewebe, C2C12-Zellen, C6-Zellen, HEK-293-Zellen, HeLa-Zellen, PC-3-Zellen, Rattenherzgewebe, Rattenhirngewebe

IP: Maushirngewebe,

IHC: Mausherzgewebe, Maushirngewebe

IF: Mausherzgewebe, C2C12-Zellen

Hintergrundinformationen

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 glycoprotein 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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Ji Xing	36230734	Cancers (Basel)	WB
Federico Armando	34638929	Int J Mol Sci	IHC
Jie Lian	33123271	J Cancer	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

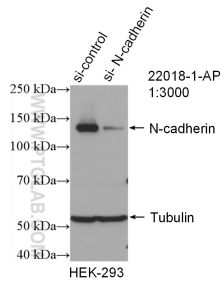
For technical support and original validation data for this product please contact:

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

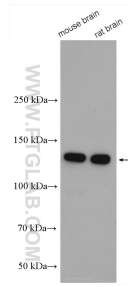
E: proteintech@ptglab.com
W: ptglab.com

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

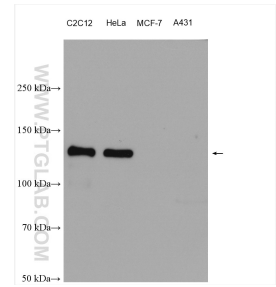
Ausgewählte Validierungsdaten



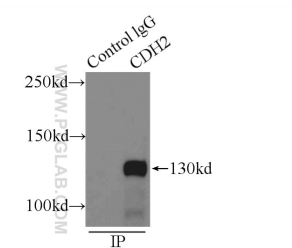
WB result of N-cadherin antibody (22018-1-AP; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-N-cadherin transfected HEK-293 cells.



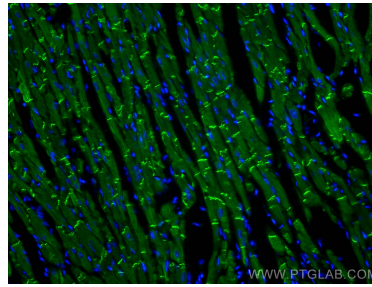
Various lysates were subjected to SDS PAGE followed by western blot with 22018-1-AP (N-cadherin antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



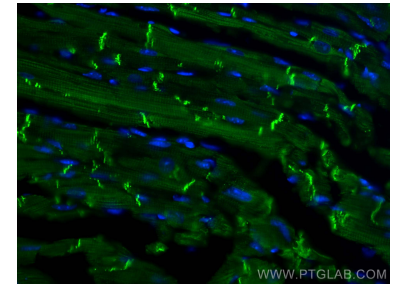
C2C12 (N-cadherin+), HeLa (N-cadherin+), MCF-7 (N-cadherin-), A431 (N-cadherin-) cell lysates were subjected to SDS PAGE followed by western blot with 22018-1-AP (N-cadherin antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



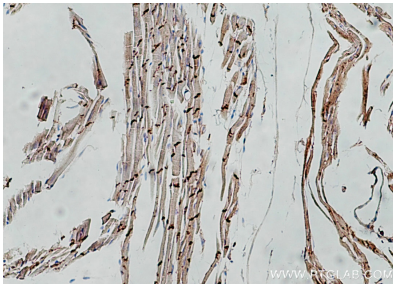
IP Result of anti-N-cadherin (IP:22018-1-AP, 3 μ g; Detection:22018-1-AP 1:1500) with mouse brain tissue lysate 7000 μ g.



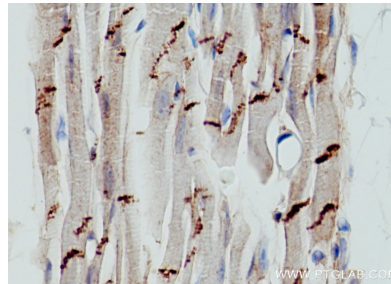
Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using N-cadherin antibody (22018-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



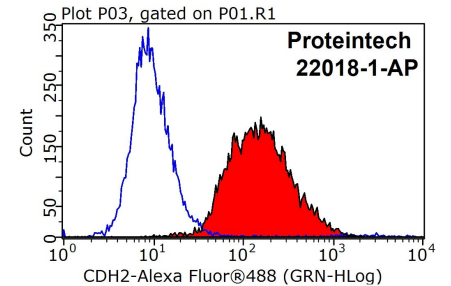
Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using N-cadherin antibody (22018-1-AP) at dilution of 1:200 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 22018-1-AP (N-cadherin antibody) at dilution of 1:2000 (under 10 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 22018-1-AP (N-cadherin antibody) at dilution of 1:2000 (under 40 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1 \times 10⁶ 5H-SY5Y cells were stained with 0.2 μ g N-cadherin antibody (22018-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.