

N Cadherin Rabbit mAb

Catalog No: #48779



Package Size: #48779-1 50ul #48779-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

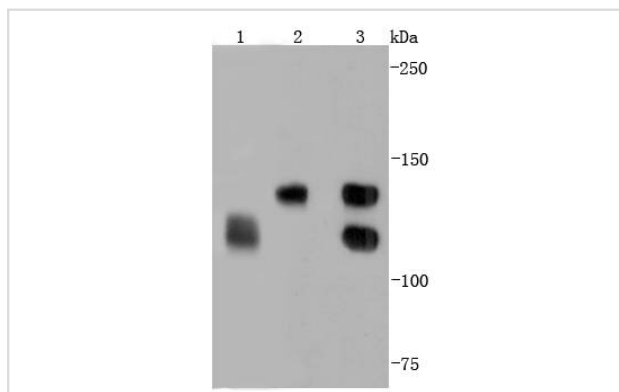
Description

Product Name	N Cadherin Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SY02-46
Purification	ProA affinity purified
Applications	WB, ICC/IF, IHC, FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	CADH2_HUMAN antibody Cadherin 2 antibody Cadherin 2 N cadherin neuronal antibody Cadherin 2 type 1 antibody Cadherin 2 type 1 N cadherin neuronal antibody Cadherin 2, type 1, N-cadherin (neuronal) antibody Cadherin-2 antibody Cadherin2 antibody Calcium dependent adhesion protein neuronal antibody CD325 antibody CD325 antigen antibody CDH2 antibody CDHN antibody CDw325 antibody CDw325 antigen antibody N cadherin 1 antibody N-cadherin antibody NCAD antibody Neural cadherin antibody OTTHUMP00000066304 antibody OTTHUMP00000067378 antibody
Accession No.	Swiss-Prot#:P19022
Calculated MW	120/140 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

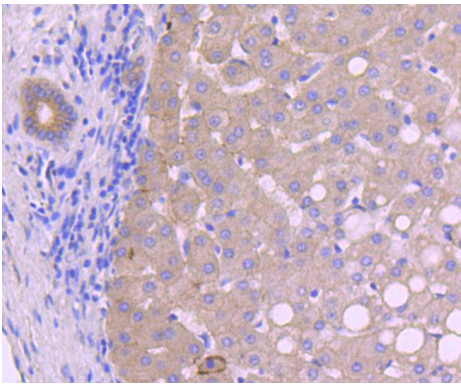
Application Details

WB: 1:1,000-5,000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC: 1:50-1:100

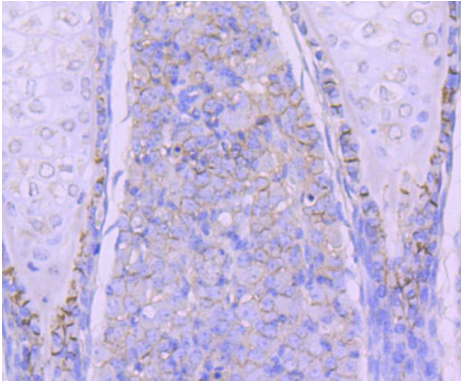
Images



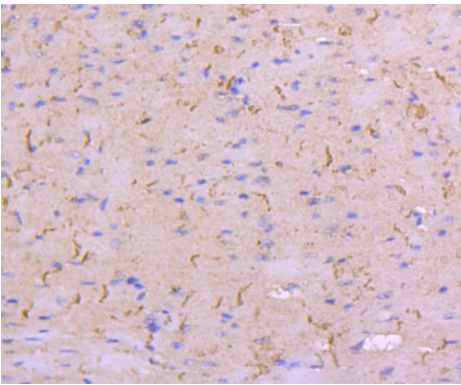
Western blot analysis of N Cadherin on different lysates using anti-N Cadherin antibody at 1/1,000 dilution. Positive control:
Lane 1: Hela Lane 2: NIH/3T3 Lane 3: Mouse brain



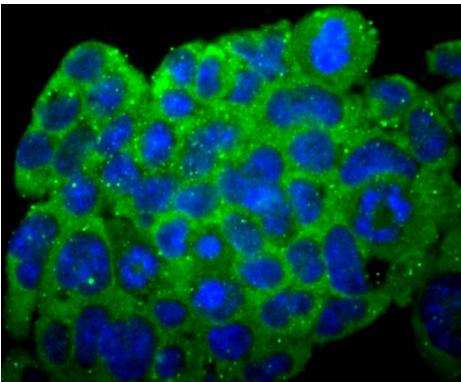
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue using anti-N Cadherin antibody. Counter stained with hematoxylin.



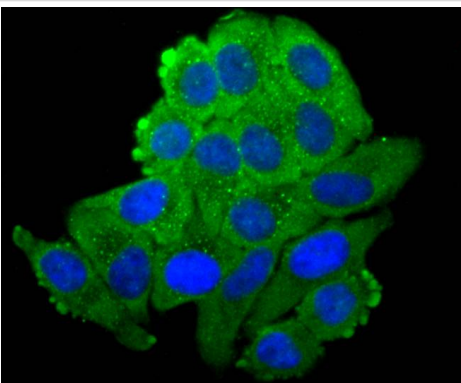
Immunohistochemical analysis of paraffin-embedded mouse embryo tissue using anti-N Cadherin antibody. Counter stained with hematoxylin.



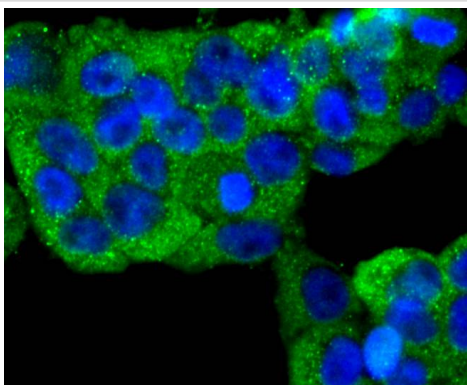
Immunohistochemical analysis of paraffin-embedded mouse heart tissue using anti-N Cadherin antibody. Counter stained with hematoxylin.



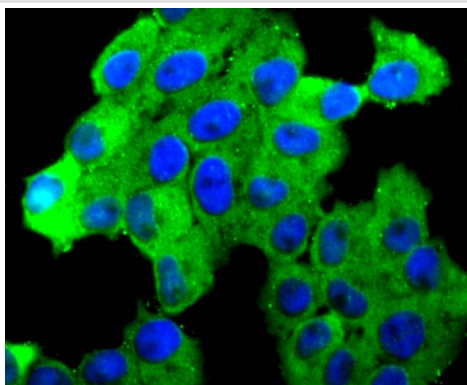
ICC staining N Cadherin in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



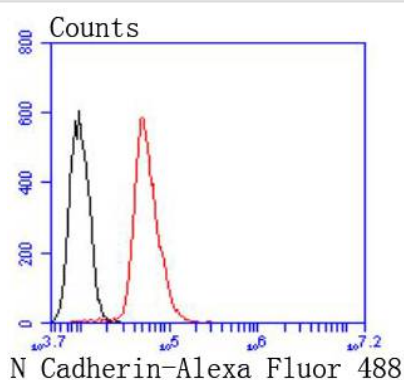
ICC staining N Cadherin in HepG2 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining N Cadherin in NCCIT cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining N Cadherin in RH-35 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of HeLa cells with N Cadherin antibody at 1/50 dilution (red) compared with an unlabelled control (cells without incubation with primary antibody; black). Alexa Fluor 488-conjugated goat anti rabbit IgG was used as the secondary antibody.

Background

Cadherins comprise a family of Ca²⁺-dependent adhesion molecules that function to mediate cell-cell binding critical to the maintenance of tissue structure and morphogenesis. The classical cadherins, E-, N- and P-cadherin, consist of large extracellular domains characterized by a series of five homologous NH₂ terminal repeats. The most distal of these cadherins is thought to be responsible for binding specificity, transmembrane domains and carboxy-terminal intracellular domains. The relatively short intracellular domains interact with a variety of cytoplasmic proteins, such as β-catenin, to regulate cadherin function. Members of this family of adhesion proteins include rat cadherin K (and its human homolog, cadherin-6), R-cadherin, B-cadherin, E/P cadherin and cadherin-5.

References

1. You A et al. Metformin sensitizes sorafenib to inhibit postoperative recurrence and metastasis of hepatocellular carcinoma in orthotopic mouse models. *J Hematol Oncol* 9:20 (2016).
2. Fischer KD et al. Vitamin D Supplementation Reduces Induction of Epithelial-Mesenchymal Transition in Allergen Sensitized and Challenged Mice. *PLoS One* 11:e0149180 (2016).

Published Papers

et al., PD-L1 Expression Is Regulated By NF-κB During EMT Signalling In Gastric Carcinoma. In *Onco Targets Ther* on 2019 Nov 25 by Xu D, Li J, et al.. PMID:31819504, (2019)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.