Product Datasheet

N-Cadherin Antibody (13A9) - Azide and BSA Free
NBP2-80868

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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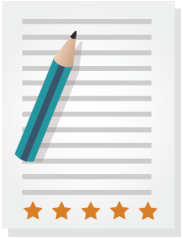


NBP2-80868

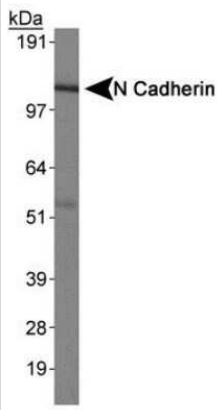
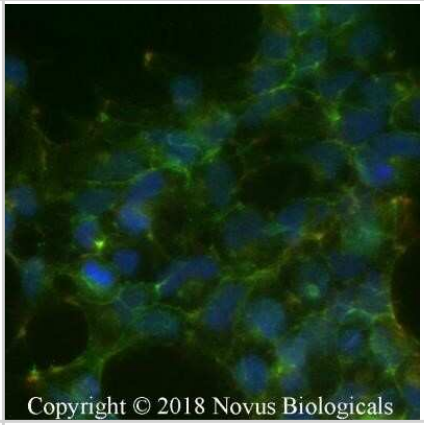
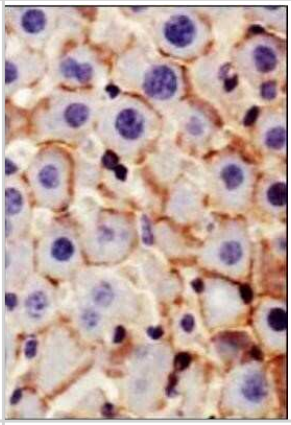
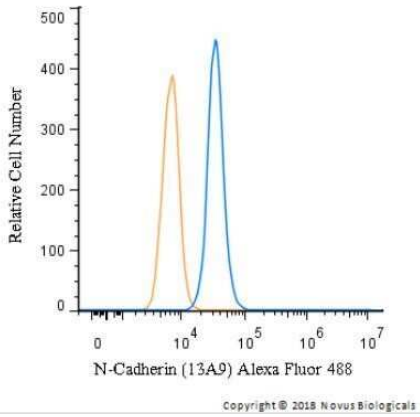
N-Cadherin Antibody (13A9) - Azide and BSA Free

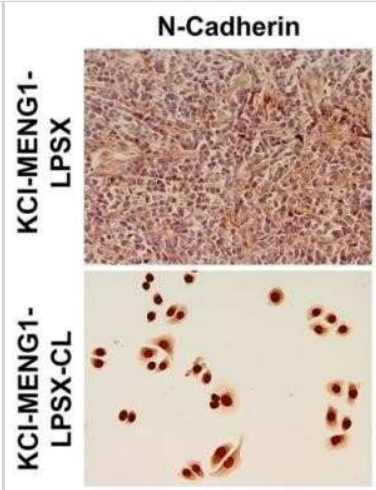
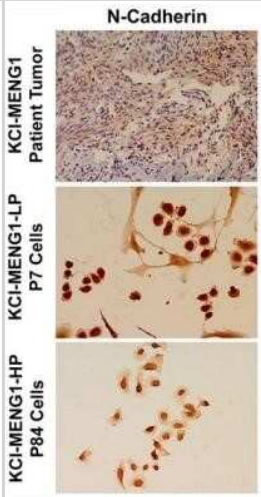
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	13A9
Preservative	No Preservative
Isotype	IgG1
Purity	Protein G purified
Buffer	Tris-Glycine, 0.15M NaCl
Target Molecular Weight	140 kDa

Product Description	
Host	Mouse
Gene ID	1000
Gene Symbol	CDH2
Species	Human, Mouse, Rat
Immunogen	This N-Cadherin Antibody (13A9) - Azide and BSA Free was developed against the cytoplasmic domain of human N Cadherin [Swiss-Prot# P19022].

Product Application Details	
Applications	Western Blot, Simple Western, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 0.5 ug/ml, Simple Western 1:50, Flow Cytometry, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:100, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:50-1:100, Flow (Intracellular)
Application Notes	In Western Blot a band is observed at approx. 140 kDa. In Simple Western only 10 - 15 uL of the recommended dilution is used per data point. See Simple Western Antibody Database for Simple Western validation: antibody dilution of 1:50. Separated by Size-Wes, Sally Sue/Peggy Sue. The observed molecular weight of the protein may vary from the listed predicted molecular weight due to post translational modifications, post translation cleavages, relative charges, and other experimental factors.

Images

Western Blot: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - Analysis of N Cadherin expression in HeLa whole cell lysate. Image from the standard format of this antibody.	
Immunocytochemistry/Immunofluorescence: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - Hek293 cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X PBS + 0.5% Triton-X100. The cells were incubated with anti-N-Cadherin Antibody (13A9) at 5 ug/ml overnight at 4C and detected with an anti-mouse Dylight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.	
Immunohistochemistry: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - IHC analysis of N Cadherin in mouse liver using DAB with hematoxylin counterstain. Image from the standard format of this antibody.	
Flow Cytometry: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - An intracellular stain was performed on HeLa cells with N-Cadherin Antibody (13A9)NBP1-48309AF488 and a matched isotype control (orange). Cells were fixed with 4% PFA and then permeabilized with 0.1% saponin. Cells were incubated in an antibody dilution of 10 ug/mL for 30 minutes at room temperature. Both antibodies were directly conjugated to Alexa Fluor 488.	

Immunocytochemistry: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - Human meningioma mouse xenograft model KCI-MENG1-LPSX generated with the spontaneously immortal cell line KCI-MENG1-LP. Tumors from immunocompromised SCID mice were dissected and the derivative cell line KCI-MENG1-LPSX CL was generated. The EMA, PR, and N-cadherin IHC of the mouse tumor highly resembled the original patient-derived tumor. The vimentin- and Ki-67-stained cells in the mouse tumor tissue were markedly more abundant and more intensely stained than in the original tumor. KCI-MENG1-LPSX CL cells displayed the same patterns of immunostaining as the high passage parent cell line KCI-MENG1-HP, including the loss of PR staining. Scale bar 50 um. Image collected and cropped by CiteAb from the following publication (https://www.translational-medicine.com/content/13/1/227), licensed under a CC-BY license. Image from the standard format of this antibody.	
Immunocytochemistry: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - Immunostaining of original tumor, low passage, & high passage KCI-MENG1. Original patient-derived tumor (top) had moderate & patchy immunoreactivity for epithelial membrane antigen (EMA); strong & diffuse immunostaining for progesterone receptor (PR); & a Ki-67 proliferative index of 2-3%. Strong immunostaining for N-cadherin & vimentin. KCI-MENG1-LP (middle row) & KCI-MENG1-HP (bottom row) maintained expression of EMA, N-cadherin, & vimentin but had significantly reduced PR expression compared to the original tumor. Ki-67 labeling was found in only a small number of cells in the original tumor & low passage cells, it was positive in virtually all P84 cells. Scale bar 50 um. Image collected & cropped by CiteAb from the following publication (https://www.translational-medicine.com/content/13/1/227), licensed under a CC-BY license. Image from the standard format of this antibody.	
Simple Western: N-Cadherin Antibody (13A9) - Azide and BSA Free [NBP2-80868] - Simple Western lane view shows a specific band for N Cadherin in 1.0 mg/mL of HeLa lysate. This experiment was performed under reducing conditions using the 12-230 kDa separation system. Image from the standard format of this antibody.	

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Products Related to NBP2-80868

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NBP2-59927-50ug	Recombinant Human N-Cadherin His Protein

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This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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