

# Product Datasheet

## Protocadherin-1 Antibody - BSA Free NBP2-47321

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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Updated 2/11/2026 v.20.1

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**NBP2-47321**

Protocadherin-1 Antibody - BSA Free

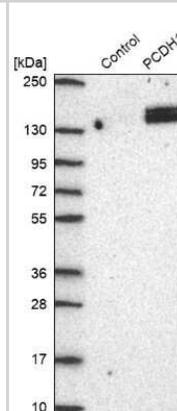
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Description	Novus Biologicals Rabbit Protocadherin-1 Antibody - BSA Free (NBP2-47321) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	5097
Gene Symbol	PCDH1
Species	Human
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: AKSGYQAGKKETKDLYAPKPSGKASKGNKSKGKKS SPKPKV KPVEDEDEAGL QKSLKFNLM SDAPG DSPRIHLPLNYPP

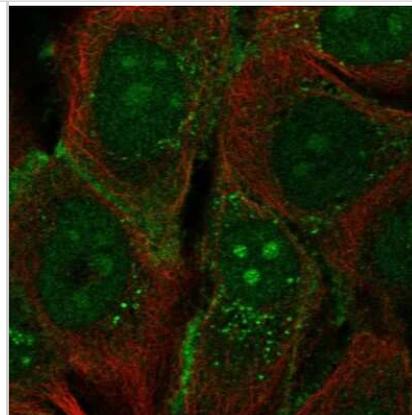
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF, Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

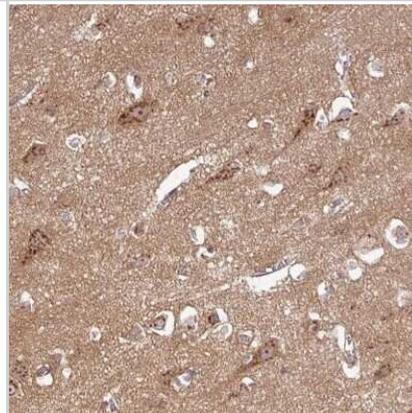
Western Blot: Protocadherin-1 Antibody [NBP2-47321] - Analysis in control (vector only transfected HEK293T lysate) and PCDH1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



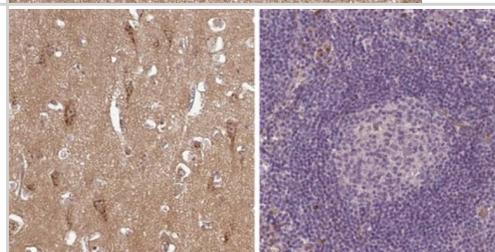
Immunocytochemistry/Immunofluorescence: Protocadherin-1 Antibody [NBP2-47321] - Staining of human cell line HaCaT shows localization to nucleoli, cell junctions & vesicles. Antibody staining is shown in green.



Immunohistochemistry-Paraffin: Protocadherin-1 Antibody [NBP2-47321] - Staining of human cerebral cortex shows strong cytoplasmic and nucleolar positivity in neuronal cells.

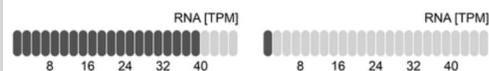


Analysis in human cerebral cortex and lymph node tissues using NBP2-47321 antibody. Corresponding PCDH1 RNA-seq data are presented for the same tissues.

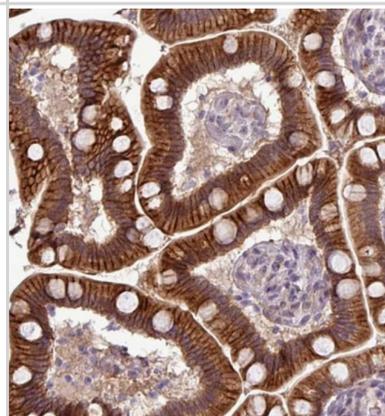


PCDH1 in Cerebral cortex

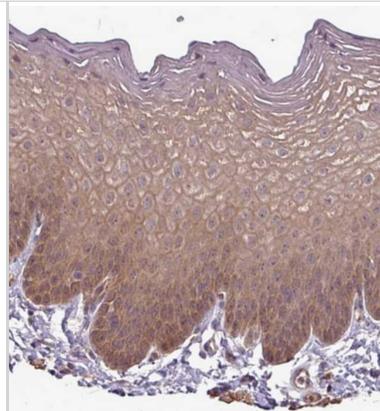
PCDH1 in Lymph node



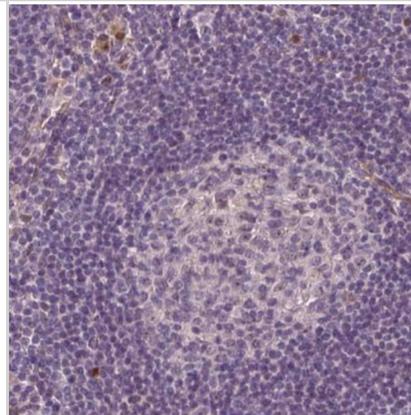
Staining of human small intestine shows strong membranous positivity in glandular cells.



Staining of human skin shows moderate cytoplasmic positivity in squamous epithelial cells.



Staining of human lymph node shows no positivity in germinal center cells as expected.





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### **Products Related to NBP2-47321**

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NBP2-47321PEP	Protocadherin-1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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### **Limitations**

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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