

# Product Datasheet

## E-Cadherin Antibody (CL1180) - Azide and BSA Free NBP3-43889

Unit Size: 100 ug

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

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**NBP3-43889**

E-Cadherin Antibody (CL1180) - Azide and BSA Free

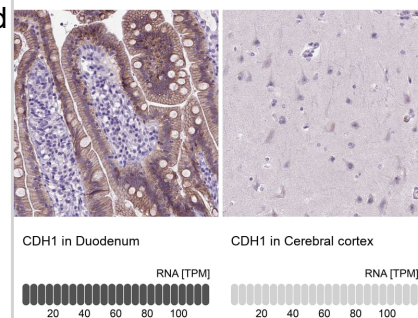
Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL1180
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG2a
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

Product Description	
Host	Mouse
Gene ID	999
Gene Symbol	CDH1
Species	Human
Immunogen	This antibody was generated using a recombinant protein sequence of P12830, with the exact immunogen sequence remaining proprietary.

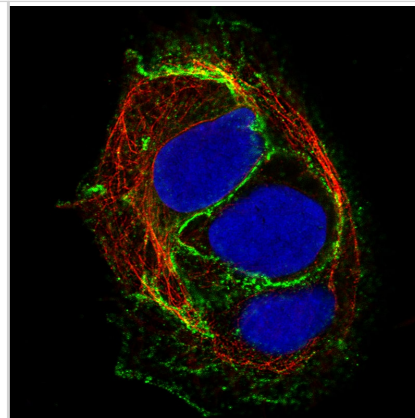
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. For Immunocytochemistry/ Immunofluorescence/IF, PFA/Triton X-100 is recommended for fixation/permeabilization.

**Images**

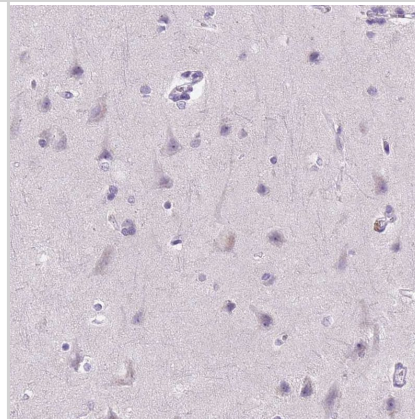
Analysis in human duodenum and cerebral cortex tissues using NBP3-43889 antibody. Corresponding E-Cadherin RNA-seq data are presented for the same tissues.



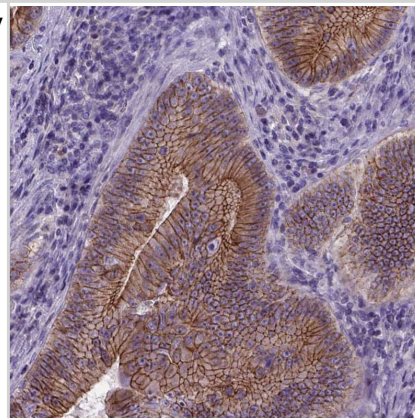
Staining of BEWO cells using the Anti-E-Cadherin monoclonal antibody)



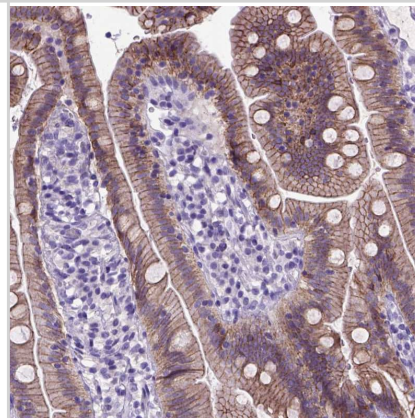
Staining of human cerebral cortex shows no positivity in neuronal cells as expected.



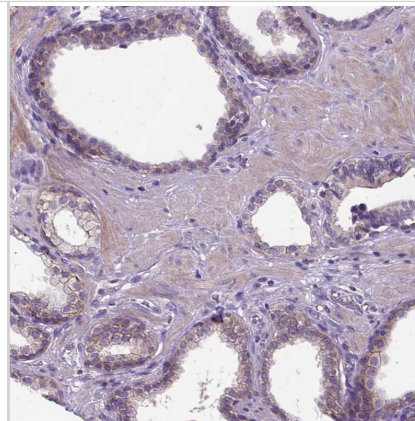
Staining of human colorectal cancer shows strong membranous positivity in tumor cells.



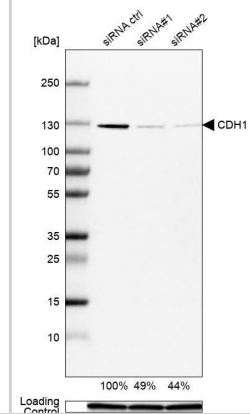
Staining of human duodenum shows moderate membranous positivity in glandular cells.



Staining of human prostate shows moderate membranous positivity in glandular cells.



Analysis in MCF-7 cells transfected with control siRNA, target specific siRNA probe #1 and #2, using Anti-E-Cadherin antibody. Remaining relative intensity is presented. Loading control: Anti-GAPDH.





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### **Products Related to NBP3-43889**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)
NBP2-34476PEP	E-Cadherin Recombinant Protein Antigen

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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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