

# Product Datasheet

## N-Cadherin Antibody - BSA Free NBP2-38856

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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### Publications: 4

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Updated 2/23/2025 v.20.1

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**NBP2-38856**

N-Cadherin Antibody - BSA Free

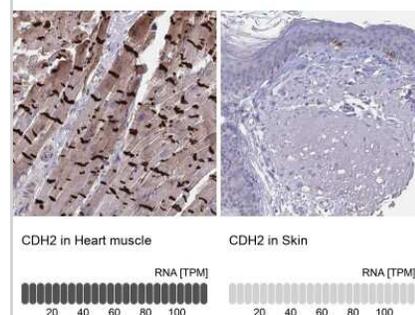
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol
Target Molecular Weight	100 kDa

Product Description	
Host	Rabbit
Gene ID	1000
Gene Symbol	CDH2
Species	Human
Immunogen	This N-Cadherin Antibody was developed against a recombinant protein corresponding to amino acids: NSNDGLVTVVKPIDFETNRMFVLTVAENQVPLAKGIQHPPQSTATVSVTVIDV NENPYFAPNPKIIRQEEGLHAGTMLTTFTAQDP

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot Reactivity reported in (PMID: 30250579), Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence Reactivity reported in (PMID: 32245948), Immunohistochemistry-Paraffin 1:500 - 1:1000
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

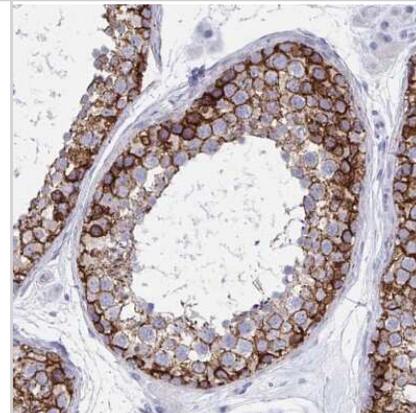
Immunohistochemistry-Paraffin: N-Cadherin Antibody [NBP2-38856] - Staining in human heart muscle and skin tissues.. Corresponding CDH2 RNA-seq data are presented for the same tissues.



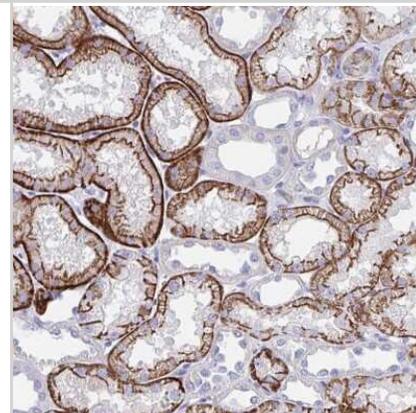
Immunocytochemistry/Immunofluorescence: N-Cadherin Antibody [NBP2-38856] - Disruption of N-cadherin shortens burst duration without affecting other calcium spike parameters. Immunohistochemistry showing N-cadherin (red, upper left), K-cadherin (red, lower left) and F-actin (green, middle) are abundant in the zG layer (right, merged images). Scale bar: 20 um. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/s41467-020-15408-4>), licensed under a CC-BY license.



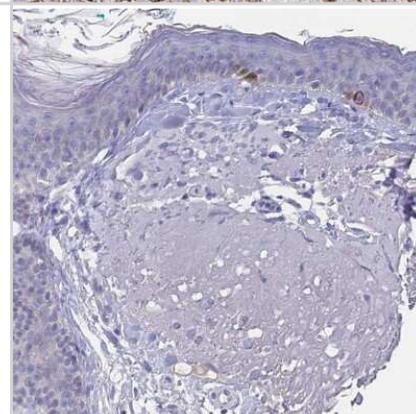
Immunohistochemistry-Paraffin: N-Cadherin Antibody [NBP2-38856] - Staining of human testis shows strong membranous positivity in cells in seminiferous ducts.



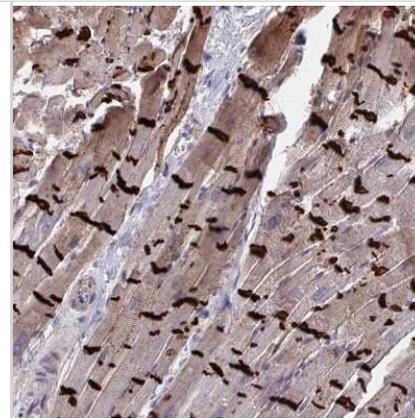
Immunohistochemistry-Paraffin: N-Cadherin Antibody [NBP2-38856] - Staining of human kidney shows strong membranous positivity in cells in tubules.



Immunohistochemistry-Paraffin: N-Cadherin Antibody [NBP2-38856] - Staining of human skin shows no positivity in keratinocytes.



Immunohistochemistry-Paraffin: N-Cadherin Antibody [NBP2-38856] - Staining of human heart muscle shows strong cytoplasmic positivity in cardiomyocytes.



## Publications

Leng S, Pignatti E, Khetani RS et al. Beta-Catenin and FGFR2 regulate postnatal rosette-based adrenocortical morphogenesis Nat Commun 2020-04-03 [PMID: 32245949] (IHC-FrFI, Mouse)

Guagliardo NA, Klein PM, Gancayco CA et al. Angiotensin II induces coordinated calcium bursts in aldosterone-producing adrenal rosettes Nat Commun 2020-04-03 [PMID: 32245948] (IF/IHC, Mouse)

Liu F, Wang K, Zhang L, Yang YL. Bone morphogenetic protein and activin membrane-bound inhibitor suppress bone cancer progression in MG63 and SAOS cells via regulation of the TGF-B-induced EMT signaling pathway. Oncol Lett 2018-10-01 [PMID: 30250579] (WB, Human)

Yuan CL, Liang R, Liu ZH et al. Bone morphogenetic protein and activin membrane-bound inhibitor overexpression inhibits gastric tumor cell invasion via the transforming growth factor-B/epithelial-mesenchymal transition signaling pathway Exp Ther Med 2018-06-01 [PMID: 29805551] (IF/IHC, WB, Mouse, Human)



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### **Products Related to NBP2-38856**

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NBP2-38856PEP	N-Cadherin Recombinant Protein Antigen
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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