

# Product Datasheet

## CACNA2D2 Antibody - BSA Free

### NBP1-81501

Unit Size: 0.1 ml

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

[www.novusbio.com](http://www.novusbio.com)



[technical@novusbio.com](mailto:technical@novusbio.com)

#### Publications: 2

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:  
[www.novusbio.com/NBP1-81501](http://www.novusbio.com/NBP1-81501)

Updated 10/15/2025 v.20.1

Earn rewards for product  
reviews and publications.

Submit a publication at [www.novusbio.com/publications](http://www.novusbio.com/publications)

Submit a review at [www.novusbio.com/reviews/destination/NBP1-81501](http://www.novusbio.com/reviews/destination/NBP1-81501)



**NBP1-81501**

CACNA2D2 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

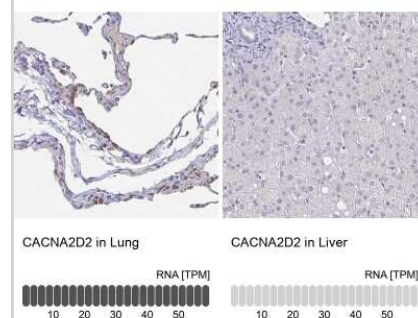
Product Description	
Description	Novus Biologicals Rabbit CACNA2D2 Antibody - BSA Free (NBP1-81501) is a polyclonal antibody validated for use in IHC and WB. Anti-CACNA2D2 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	9254
Gene Symbol	CACNA2D2
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 28469787).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: EAWAEKFKVLASNRTHQDQPQKCGPNSHCCEMDCEVNNEDLLCVLIDDGGFLV LSNQNHQWDQVGRFFSEVDANLMLALYN

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Knockdown Validated
Recommended Dilutions	Western Blot Use in WB reported in scientific literature (PMID:28469787)., Immunohistochemistry 1:50 - 1:200, Immunohistochemistry-Paraffin 1:50 - 1:200, Knockdown Validated Use in KD reported in scientific literature (PMID:28469787).
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

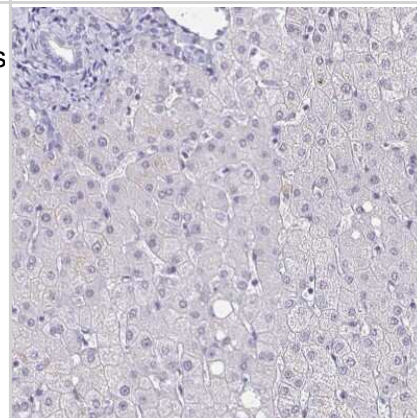


## Images

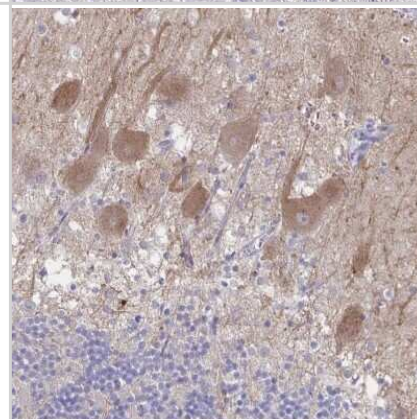
Immunohistochemistry-Paraffin: CACNA2D2 Antibody [NBP1-81501] - Analysis in human lung and liver tissues using NBP1-81501 antibody. Corresponding CACNA2D2 RNA-seq data are presented for the same tissues.



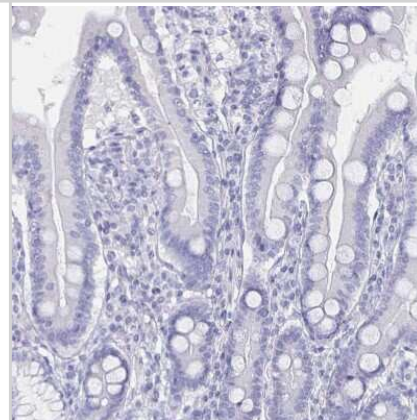
Immunohistochemistry-Paraffin: CACNA2D2 Antibody [NBP1-81501] - Staining of human liver shows no cytoplasmic positivity in hepatocytes as expected.



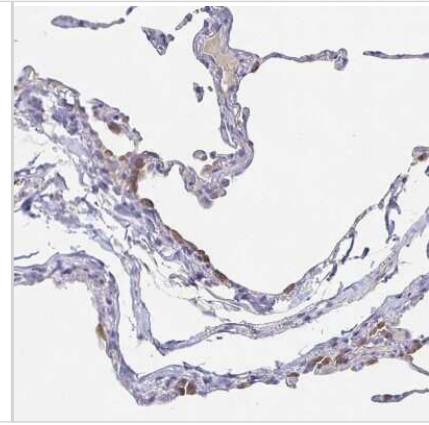
Immunohistochemistry-Paraffin: CACNA2D2 Antibody [NBP1-81501] - Staining of human cerebellum shows moderate cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: CACNA2D2 Antibody [NBP1-81501] - Staining of human duodenum shows no cytoplasmic positivity in glandular cells.



Immunohistochemistry-Paraffin: CACNA2D2 Antibody [NBP1-81501] - Staining of human lung shows moderate cytoplasmic positivity in pneumocytes.



## Publications

Van Wauwe J, Mahy A, Craps S et al. PRDM16 determines specification of ventricular cardiomyocytes by suppressing alternative cell fates Life Science Alliance 2024-09-20 [PMID: 39304345]

Zhang J, Wu L, Li Z et al. miR-1231 exacerbates arrhythmia by targeting calciumchannel gene CACNA2D2 in myocardial infarction Am J Transl Res. 2017-04-14 [PMID: 28469787] (WB, KD, Rat, Human)



### **Novus Biologicals USA**

10730 E. Briarwood Avenue  
Centennial, CO 80112  
USA  
Phone: 303.730.1950  
Toll Free: 1.888.506.6887  
Fax: 303.730.1966  
nb-customerservice@bio-techne.com

### **Bio-Techne Canada**

21 Canmotor Ave  
Toronto, ON M8Z 4E6  
Canada  
Phone: 905.827.6400  
Toll Free: 855.668.8722  
Fax: 905.827.6402  
canada.inquires@bio-techne.com

### **Bio-Techne Ltd**

19 Barton Lane  
Abingdon Science Park  
Abingdon, OX14 3NB, United Kingdom  
Phone: (44) (0) 1235 529449  
Free Phone: 0800 37 34 15  
Fax: (44) (0) 1235 533420  
info.EMEA@bio-techne.com

### **General Contact Information**

www.novusbio.com  
Technical Support: nb-technical@bio-techne.com  
Orders: nb-customerservice@bio-techne.com  
General: novus@novusbio.com

### **Products Related to NBP1-81501**

---

NBP1-81501PEP	CACNA2D2 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

---

### **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.

For more information on our 100% guarantee, please visit [www.novusbio.com/guarantee](http://www.novusbio.com/guarantee)

Earn gift cards/discounts by submitting a review: [www.novusbio.com/reviews/submit/NBP1-81501](http://www.novusbio.com/reviews/submit/NBP1-81501)

Earn gift cards/discounts by submitting a publication using this product:  
[www.novusbio.com/publications](http://www.novusbio.com/publications)

