

Product Datasheet

CACNA2D1 Antibody - BSA Free NBP1-86683

Unit Size: 0.1 ml

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

www.novusbio.com



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Publications: 2

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Updated 12/2/2025 v.20.1

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NBP1-86683

CACNA2D1 Antibody - BSA Free

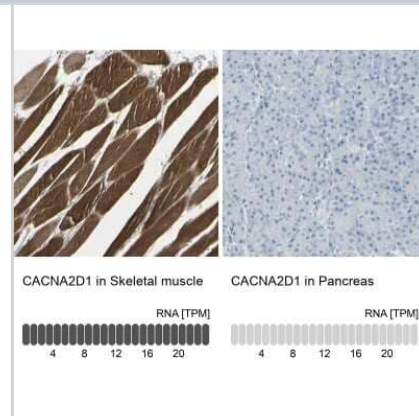
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Description	Novus Biologicals Rabbit CACNA2D1 Antibody - BSA Free (NBP1-86683) is a polyclonal antibody validated for use in IHC and ICC/IF. Anti-CACNA2D1 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	781
Gene Symbol	CACNA2D1
Species	Human
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QPKNPKSQEPVTLDFLDAELENEDIKVEIRNKMIDGESGEKTFRTLKVSQDERYID KGNRTYTWTPVNGTDYSLALVLPYTFYIYKAKLEETITQARSKKGMKDSETL KPDNFEEESGYTFIAPRDYCNLDKISDNTEFL

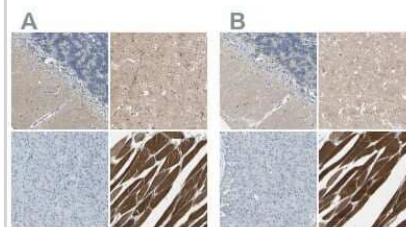
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Immunohistochemistry 1:200 - 1:500, Immunohistochemistry-Paraffin 1:200 - 1:500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

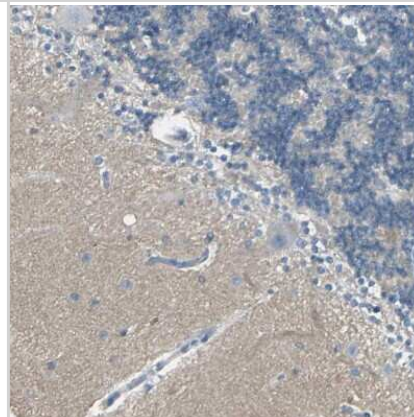
Immunohistochemistry-Paraffin: CACNA2D1 Antibody [NBP1-86683] - Staining in human skeletal muscle and pancreas tissues using NBP1-86683 antibody. Corresponding CACNA2D1 RNA-seq data are presented for the same tissues.



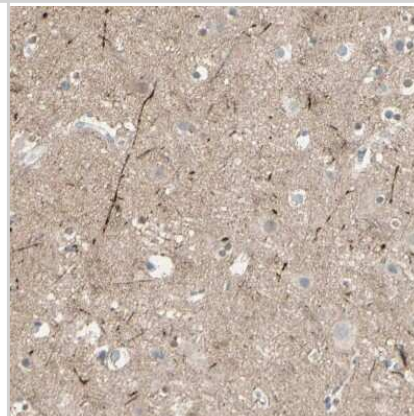
Immunohistochemistry-Paraffin: CACNA2D1 Antibody [NBP1-86683] - Staining of human cerebellum, cerebral cortex, pancreas and skeletal muscle using Anti-CACNA2D1 antibody NBP1-86683 (A) shows similar protein distribution across tissues to independent antibody NBP1-86682 (B).



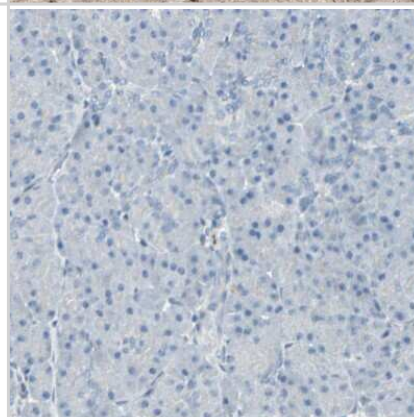
Immunohistochemistry-Paraffin: CACNA2D1 Antibody [NBP1-86683] - Staining of human cerebellum shows weak positivity in neuropil.



Immunohistochemistry-Paraffin: CACNA2D1 Antibody [NBP1-86683] - Staining of human cerebral cortex shows moderate positivity in neuropil.



Immunohistochemistry-Paraffin: CACNA2D1 Antibody [NBP1-86683] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Immunohistochemistry-Paraffin: CACNA2D1 Antibody [NBP1-86683] - Staining of human skeletal muscle shows strong cytoplasmic positivity in myocytes.



Publications

Cui WQ, Chu YX, Xu F et al. Calcium channel alpha 2 delta 1 subunit mediates secondary orofacial hyperalgesia through PKC-TRPA1/gap junction signaling J Pain 2019-09-05 [PMID: 31494272] (IHC-Fr, Mouse)

Haibo Han, Yantao Du, Wei Zhao et al. PBX3 is targeted by multiple miRNAs and is essential for liver tumour-initiating cells. Nature Communications 2015-01-01 [PMID: 26420065] (ICC/IF, Human)



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Products Related to NBP1-86683

NBP1-86683PEP	CACNA2D1 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.

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