

# Product Datasheet

## CACNB2 Antibody - BSA Free

### NBP1-86680

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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**NBP1-86680**

CACNB2 Antibody - BSA Free

**Product Information**

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

**Product Description**

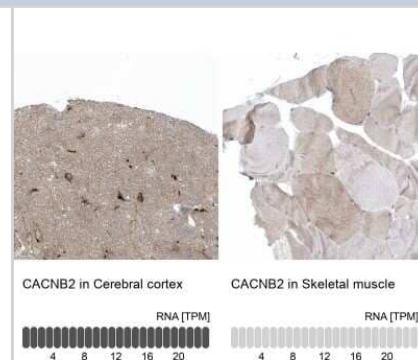
<b>Host</b>	Rabbit
<b>Gene ID</b>	783
<b>Gene Symbol</b>	CACNB2
<b>Species</b>	Human, Rat
<b>Reactivity Notes</b>	Use in Rat reported in scientific literature (PMID:35047492). Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (81%)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: RDSAYVEPKEDYSHDHVDHYASHRDHNHRDETHGSSDHRHRESRHRSRDVD REQDHNECNKQRSRHKSKDRYCEKDGEVI

**Product Application Details**

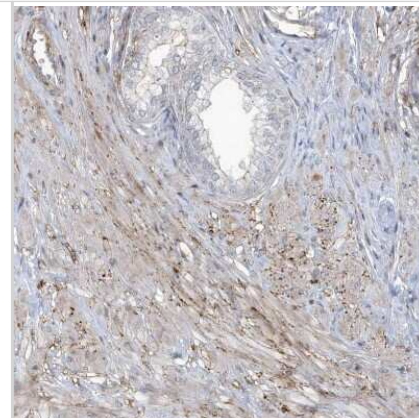
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot Reported in scientific literature (PMID:35047492), Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence Reported in scientific literature (PMID:35047492), Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

Immunohistochemistry-Paraffin: CACNB2 Antibody [NBP1-86680] - Analysis in human cerebral cortex and skeletal muscle tissues. Corresponding CACNB2 RNA-seq data are presented for the same tissues.



Immunohistochemistry-Paraffin: CACNB2 Antibody [NBP1-86680] - Staining of human prostate shows weak to moderate membranous positivity in smooth muscle cells.



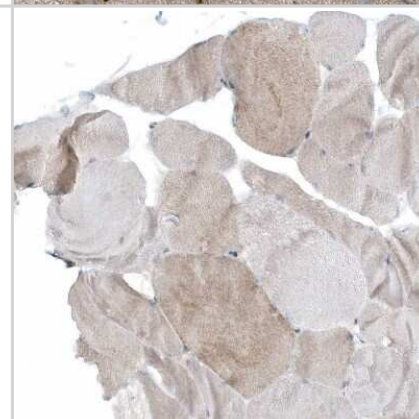
Immunohistochemistry-Paraffin: CACNB2 Antibody [NBP1-86680] - Staining of human cerebellum shows moderate to strong membranous positivity in Purkinje cells.



Immunohistochemistry-Paraffin: CACNB2 Antibody [NBP1-86680] - Staining of human cerebral cortex shows moderate to strong membranous positivity in neurons.



Immunohistochemistry-Paraffin: CACNB2 Antibody [NBP1-86680] - Staining of human skeletal muscle shows very weak positivity in myocytes.



## Publications

Cruz-Garcia Y, Barkovits K, Kohlhaas M et al. Nanoenvironments of the beta-Subunit of L-Type Voltage-Gated Calcium Channels in Adult Cardiomyocytes *Frontiers in cell and developmental biology* 2022-01-03 [PMID: 35047492] (ICC/IF, WB, Rat)

Cruz Garcia Y Interactome of the beta 2b subunit of L-type voltage-gated calcium channels in cardiomyocytes Thesis 2021-01-01 (ICC/IF, WB)





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### **Products Related to NBP1-86680**

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NBP1-86680PEP	CACNB2 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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