

# Product Datasheet

## NECAB1 Antibody - BSA Free

### NBP1-84004

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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**NBP1-84004**

NECAB1 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**

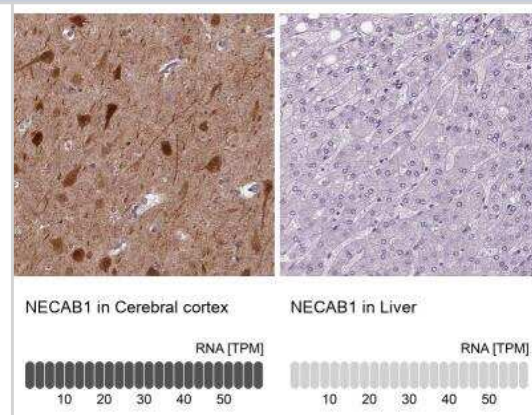
<b>Description</b>	Novus Biologicals Rabbit NECAB1 Antibody - BSA Free (NBP1-84004) is a polyclonal antibody validated for use in IHC and WB. Anti-NECAB1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Rabbit
<b>Gene ID</b>	64168
<b>Gene Symbol</b>	NECAB1
<b>Species</b>	Human, Mouse
<b>Reactivity Notes</b>	Reactivity in mouse reported in scientific literature (PMID: 24616509)
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: LLKETLNQLQSLQNSLECAMETTEEQTRQERQGPAKPEVLSIQWPGKRSSRR VQRHNSFSPNSP

**Product Application Details**

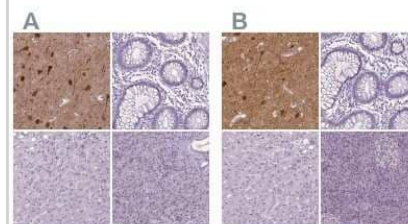
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

**Images**

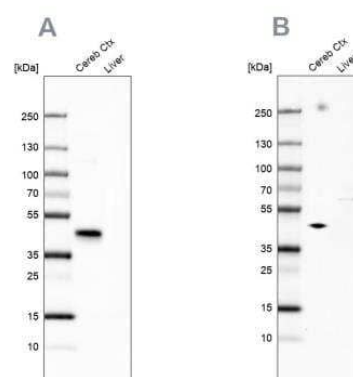
Immunohistochemistry-Paraffin: NECAB1 Antibody [NBP1-84004] - Analysis in human cerebral cortex and liver tissues. Corresponding NECAB1 RNA-seq data are presented for the same tissues.



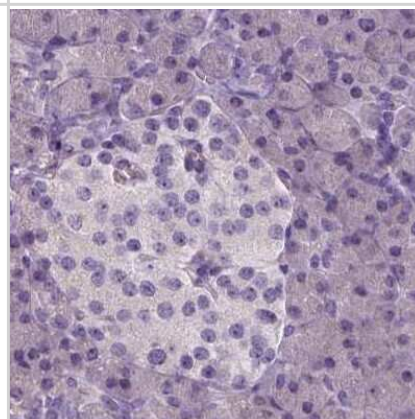
**Immunohistochemistry-Paraffin: NECAB1 Antibody [NBP1-84004] - Staining of human cerebral cortex, colon, liver and pancreas using Anti-NECAB1 antibody NBP1-84004 (A) shows similar protein distribution across tissues to independent antibody NBP1-84003 (B).**



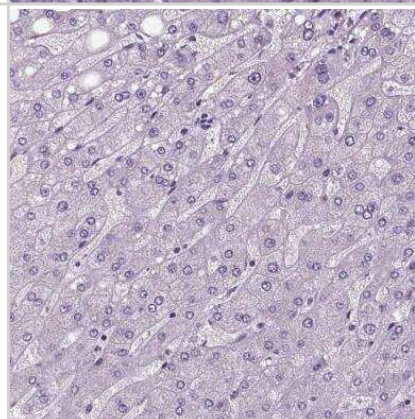
**Western Blot: NECAB1 Antibody [NBP1-84004] - Analysis using Anti-NECAB1 antibody NBP1-84004 (A) shows similar pattern to independent antibody NBP1-84003 (B).**



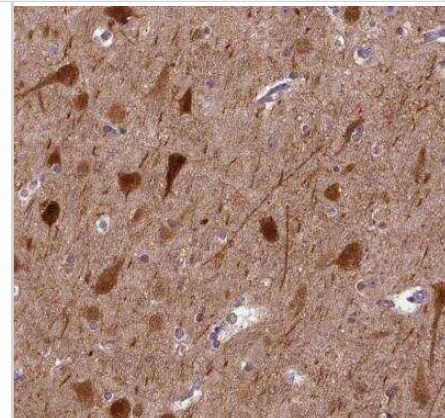
**Immunohistochemistry-Paraffin: NECAB1 Antibody [NBP1-84004] - Staining of human pancreas.**



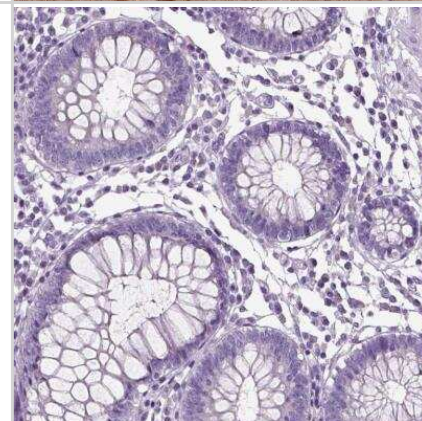
**Immunohistochemistry-Paraffin: NECAB1 Antibody [NBP1-84004] - Staining of human liver shows not positivity in hepatocytes as expected.**



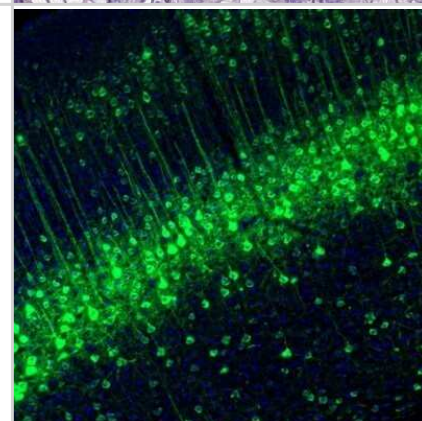
Immunohistochemistry-Paraffin: NECAB1 Antibody [NBP1-84004] - Staining human cerebral cortex shows strong cytoplasmic positivity in neurons.



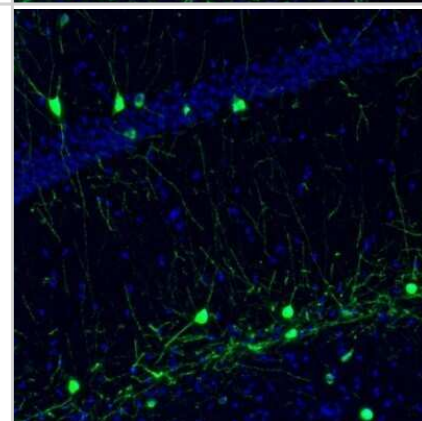
Immunohistochemistry-Paraffin: NECAB1 Antibody [NBP1-84004] - Staining of human colon shows no positivity in glandular cells as expected.



Immunohistochemistry: NECAB1 Antibody [NBP1-84004] - Staining of mouse parietal association cortex shows distinct positivity in layer 4 neurons.

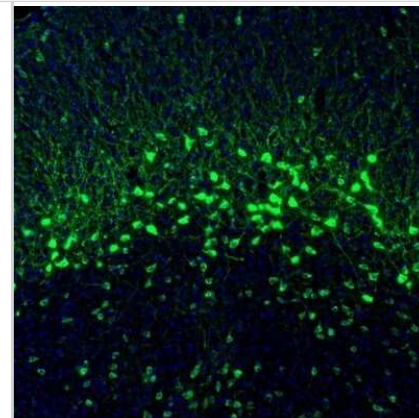


Immunohistochemistry: NECAB1 Antibody [NBP1-84004] - Staining of mouse hippocampus shows immunoreactivity in a subset of interneurons.

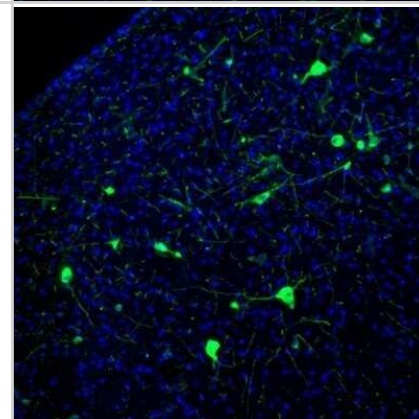




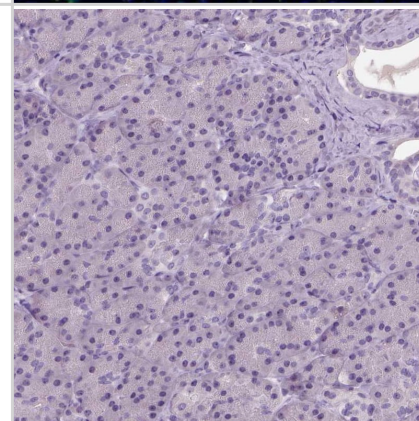
Immunohistochemistry: NECAB1 Antibody [NBP1-84004] - Staining of mouse superior colliculi shows positivity in a subset of neurons.



Immunohistochemistry: NECAB1 Antibody [NBP1-84004] - Staining of mouse vestibular nucleus shows immunoreactivity in a subset of neurons.



Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



## Publications

Aquiles A, Fiordelisio T, Luna-Munguia H, Concha L. Altered functional connectivity and network excitability in a model of cortical dysplasia Scientific Reports 2023-07-30 [PMID: 37518675]

Jgamadze D, Lim J, Zhang Z et al. Structural and functional integration of human forebrain organoids with the injured adult rat visual system Cell Stem Cell 2023-02-01 [PMID: 36736289] (IHC-Fr)

Details:

Organoids of human origin, grafted into Rats

Zhang MD, Tortoriello G, Hsueh B et al. Neuronal calcium-binding proteins 1/2 localize to dorsal root ganglia and excitatory spinal neurons and are regulated by nerve injury. Proc Natl Acad Sci U S A 2014-03-25 [PMID: 24616509]



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### **Products Related to NBP1-84004**

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NBP1-84004PEP	NECAB1 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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