

# Product Datasheet

## CNPase Antibody - BSA Free

### NBP1-85999

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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Updated 2/21/2025 v.20.1

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**NBP1-85999**

CNPase 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**

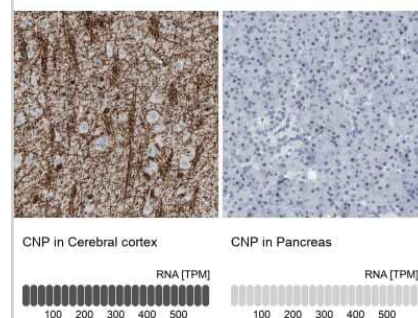
<b>Host</b>	Rabbit
<b>Gene ID</b>	1267
<b>Gene Symbol</b>	CNP
<b>Species</b>	Human
<b>Marker</b>	Oligodendrocyte Marker
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: ADDLKKLKPGLEKDFLPLYFGWFLTKKSSETLRKAGQVFLEELGNHKAFFKELR QFVPGDEPREKMDLVITYFG

**Product Application Details**

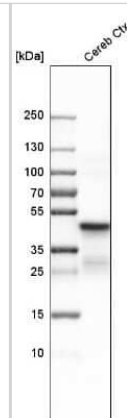
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:500 - 1:1000
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

**Images**

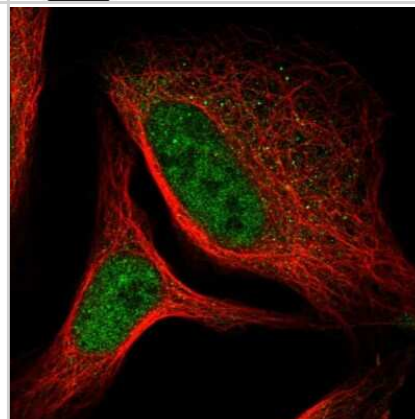
Immunohistochemistry-Paraffin: CNPase Antibody [NBP1-85999] - Staining in human cerebral cortex and pancreas tissues using NBP1-85999 antibody. Corresponding CNP RNA-seq data are presented for the same tissues.



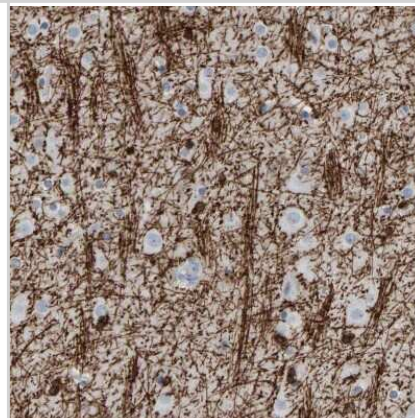
Western Blot: CNPase Antibody [NBP1-85999] - Analysis in human cerebral cortex tissue.



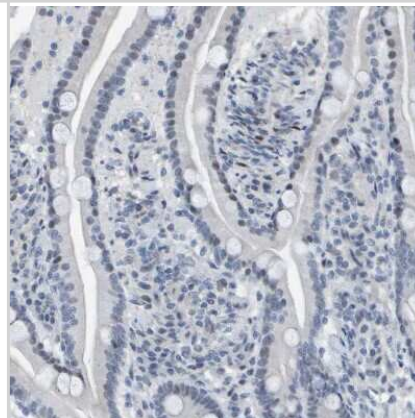
Immunocytochemistry/Immunofluorescence: CNPase Antibody [NBP1-85999] - Staining of human cell line U-2 OS shows localization to nucleoplasm & cytosol. Antibody staining is show in green.



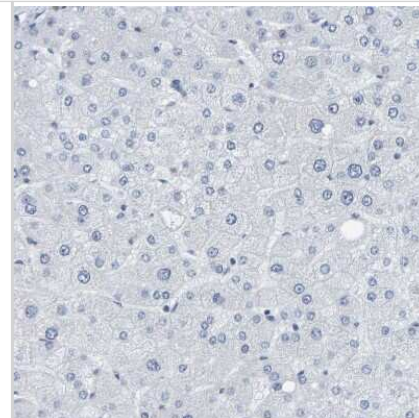
Immunohistochemistry-Paraffin: CNPase Antibody [NBP1-85999] - Staining of human cerebral cortex shows strong positivity in neuronal processes.



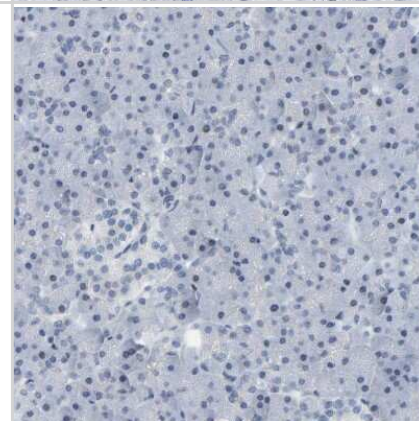
Immunohistochemistry-Paraffin: CNPase Antibody [NBP1-85999] - Staining of human duodenum shows no positivity in glandular cells as expected.



Immunohistochemistry-Paraffin: CNPase Antibody [NBP1-85999] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: CNPase Antibody [NBP1-85999] - Staining of human pancreas shows no positivity in exocrine glandular cells as expected.



## Publications

Mellai M, Annovazzi L, Bisogno I et al. Chondroitin Sulphate Proteoglycan 4 (NG2/CSPG4) Localization in Low- and High-Grade Gliomas Cells 2020-06-24 [PMID: 32599896]



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### **Products Related to NBP1-85999**

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NBP1-85999PEP	CNPase 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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