

# Product Datasheet

## **PANP/PILR alpha associated neural protein Antibody - BSA Free NBP1-90541**

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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**NBP1-90541**

PANP/PILR alpha associated neural protein 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**

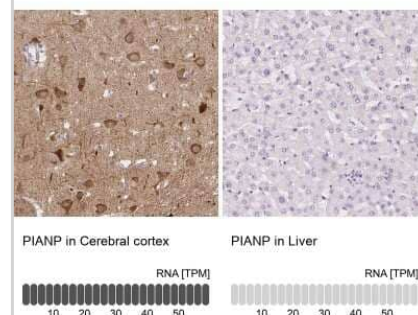
<b>Host</b>	Rabbit
<b>Gene ID</b>	196500
<b>Gene Symbol</b>	PIANP
<b>Species</b>	Human
<b>Immunogen</b>	This antibody was developed against Recombinant Protein corresponding to amino acids: DRSQKRRRPSGQQGALRQESQQPLTDLSPAGVTVLGAFGDSPTPTPDHEEP RGGPRPGMPHPKGAPAFQLNR

**Product Application Details**

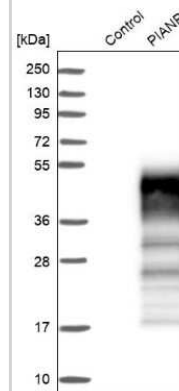
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:200 - 1:500, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 1:200 - 1:500
<b>Application Notes</b>	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation Permeabilization: Use PFA/Triton X-100.

**Images**

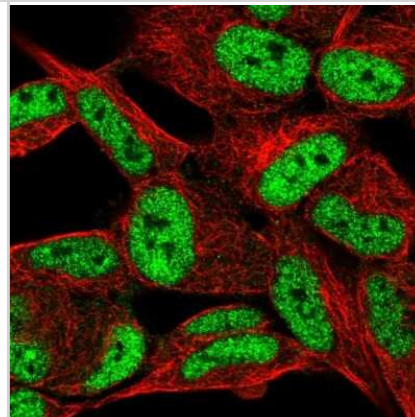
Immunohistochemistry-Paraffin: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Analysis in human cerebral cortex and liver tissues. Corresponding PIANP RNA-seq data are presented for the same tissues.



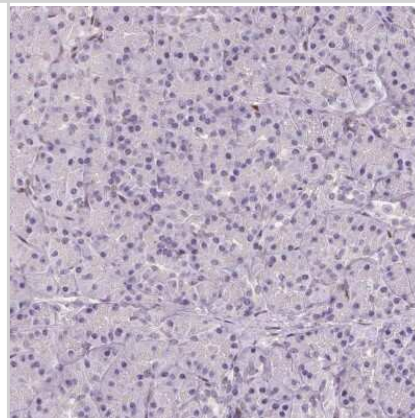
Western Blot: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Analysis in control (vector only transfected HEK293T lysate) and PIANP over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



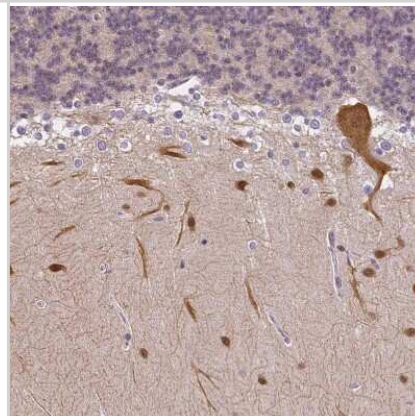
Immunocytochemistry/Immunofluorescence: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Staining of human cell line SH-SY5Y shows localization to nucleoplasm. Antibody staining is shown in green.



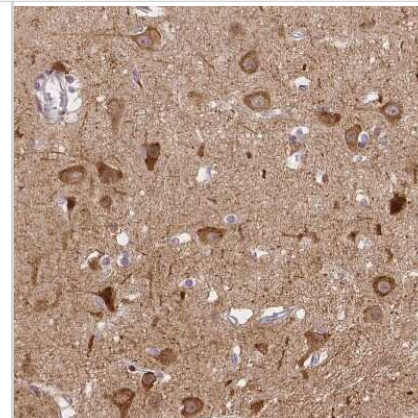
Immunohistochemistry-Paraffin: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Staining of human pancreas shows no cytoplasmic positivity in exocrine glandular cells as expected.



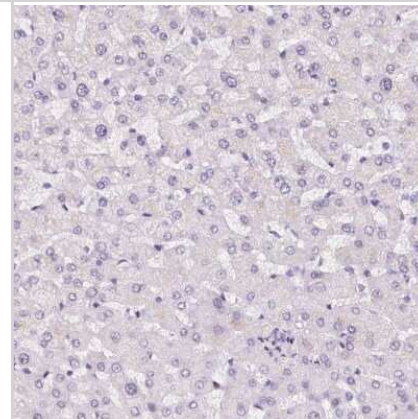
Immunohistochemistry-Paraffin: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Staining of human cerebral cortex shows strong cytoplasmic positivity in neurons.



Immunohistochemistry-Paraffin: PANP/PILR alpha associated neural protein Antibody [NBP1-90541] - Staining of human liver shows no cytoplasmic positivity in hepatocytes as expected.



## Publications

MC Dinamarca, A Raveh, A Schneider, T Fritzius, S Früh, PD Rem, M Stawarski, T Lalanne, R Turecek, M Choo, V Besseyrias, W Bildl, D Bentrop, M Staufenbie, M Gassmann, B Fakler, J Schwenk, B Bettler Complex formation of APP with GABAB receptors links axonal trafficking to amyloidogenic processing Nat Commun, 2019-03-22;10 (1):1331. 2019-03-22 [PMID: 30902970]

About Nader N, Blais □, St-Jean G et al. Effect of Inactivation of Mst1 and Mst2 in the Mouse Adrenal Cortex Journal of the Endocrine Society 2022-11-17 [PMID: 36405866] (Immunohistochemistry)



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### **Products Related to NBP1-90541**

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NBP1-90541PEP	PANP/PILR alpha associated neural protein 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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