

Product Datasheet

PCP4 Antibody - BSA Free NBP1-80929

Unit Size: 0.1 ml

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

www.novusbio.com



technical@novusbio.com

Publications: 8

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-80929

Updated 3/27/2025 v.20.1

Earn rewards for product
reviews and publications.

Submit a publication at www.novusbio.com/publications

Submit a review at www.novusbio.com/reviews/destination/NBP1-80929



NBP1-80929

PCP4 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	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

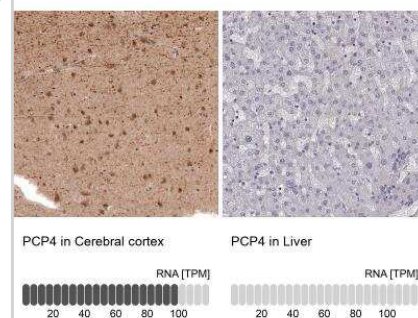
Host	Rabbit
Gene ID	5121
Gene Symbol	PCP4
Species	Human, Mouse, Rat
Reactivity Notes	Rat reactivity reported in scientific literature (PMID: 26214372).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GAGATNGKDKTSGENDGQKKVQEEFDIDMDAPETERAAVAIQSQFRKFQKKK

Product Application Details

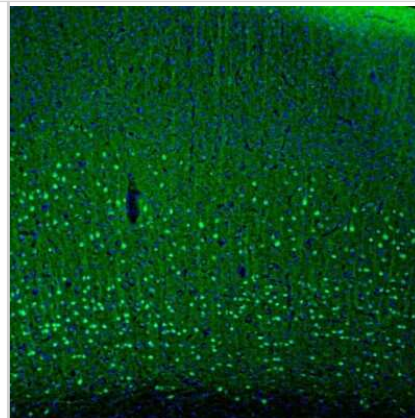
Applications	Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:1000 - 1:2500, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

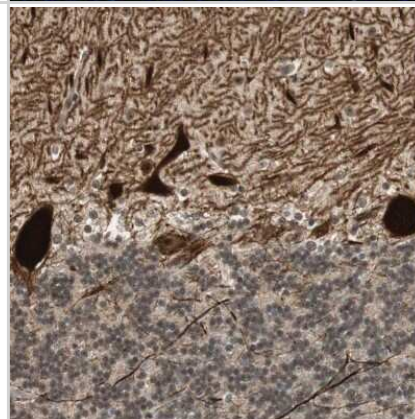
Immunohistochemistry-Paraffin: PCP4 Antibody [NBP1-80929] - Staining in human cerebral cortex and liver tissues . Corresponding PCP4 RNA-seq data are presented for the same tissues.



Immunohistochemistry: PCP4 Antibody [NBP1-80929] - Staining of mouse cerebral cortex shows strong positivity in the deep layers neurons.



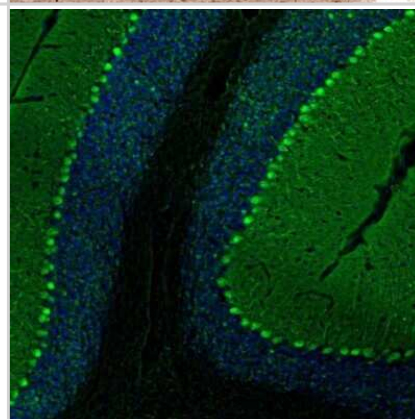
Immunohistochemistry-Paraffin: PCP4 Antibody [NBP1-80929] - Immunohistochemical staining of human cerebellum shows strong cytoplasmic positivity in Purkinje cells.



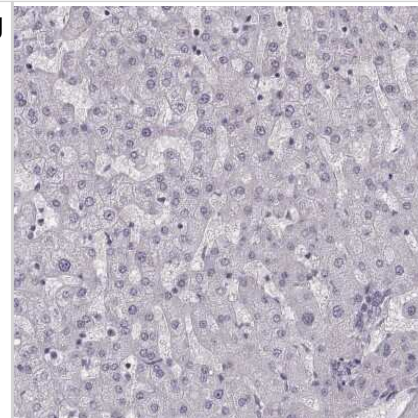
Immunohistochemistry-Paraffin: PCP4 Antibody [NBP1-80929] - Staining of human cerebral cortex shows moderate cytoplasmic positivity.



Immunohistochemistry: PCP4 Antibody [NBP1-80929] - Staining of mouse cerebellum shows strong cytoplasmic positivity in Purkinje cells.



Immunohistochemistry-Paraffin: PCP4 Antibody [NBP1-80929] - Staining of human liver shows no cytoplasmic positivity in hepatocytes as expected.



Publications

Martikainen M, Lugano R, Pietilä I et al. VLDLR mediates alphavirus neuroinvasion through the blood-cerebrospinal fluid barrier Research Square 2023-10-30

Souali-Crespo S, Condrea D, Vernet N et al. Loss of NR5A1 in Sertoli cells after sex determination changes their cellular identity and induces their death by anoikis bioRxiv 2023-01-07

Ben-Simon Y, Kaefer K, Velicky P et al. A direct excitatory projection from entorhinal layer 6b neurons to the hippocampus contributes to spatial coding and memory Nature communications 2022-08-16 [PMID: 35974109] (IF/IHC, Mouse)

Details:

Supplementary Figure 5: Dilutions: 1:500

Manuel Valero, Elena Cid, Robert G Averkin et al. Determinants of different deep and superficial CA1 pyramidal cell dynamics during sharp-wave ripples. Nature Neuroscience 2015-07-27 [PMID: 26214372] (IF/IHC, Rat)

Zhou J, Shaikh LH, Neogi SG et al. DACH1, a Zona Glomerulosa Selective Gene in the Human Adrenal, Activates Transforming Growth Factor--beta Signaling and Suppresses Aldosterone Secretion. Hypertension 2015-05-01 [PMID: 25776071] (IF/IHC, Human)

Botcher NA, Falck JE, Thomson AM, Mercer A. Distribution of interneurons in the CA2 region of the rat hippocampus. Front Neuroanat 2014-01-01 [PMID: 25309345] (IF/IHC, Rat)

Hitti FL, Siegelbaum SA. The hippocampal CA2 region is essential for social memory. Nature 2014-04-03 [PMID: 24572357]

Kohara K, Pignatelli M, Rivest AJ et al. Cell type-specific genetic and optogenetic tools reveal hippocampal CA2 circuits. Nat Neurosci 2014-02-01 [PMID: 24336151]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-80929

NBP1-80929PEP	PCP4 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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

Earn gift cards/discounts by submitting a review: www.novusbio.com/reviews/submit/NBP1-80929

Earn gift cards/discounts by submitting a publication using this product:
www.novusbio.com/publications

