

Product Datasheet

P4HA1 Antibody - BSA Free NBP1-84398

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

Reviews: 1 Publications: 10

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
www.novusbio.com/NBP1-84398

Updated 2/21/2025 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/NBP1-84398



NBP1-84398

P4HA1 Antibody - BSA Free

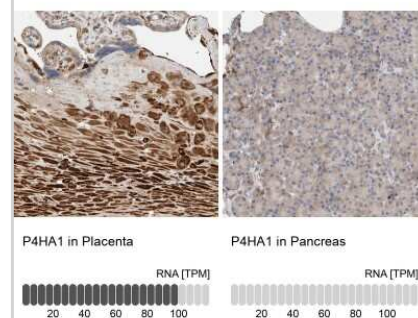
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	5033
Gene Symbol	P4HA1
Species	Human, Mouse, Rat
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: DYYHTELWMEQALRQLDEGEISTIDKVSULDYLSYAVYQQGDLDKALLLTKLL ELDPEHQQRANGNLKYFEYIMAKEKDVNKSASDDQSDQKTTTPKKKGVAVDYLP RQKYEMLCRGEIGIKMTPRRQKLLFCRYHDGNRNPK

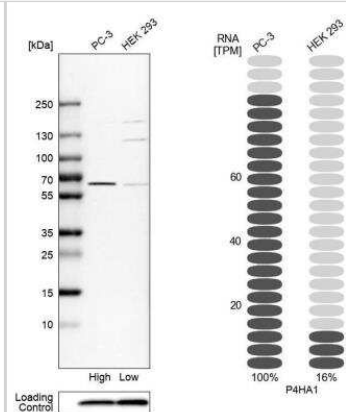
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin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

Images

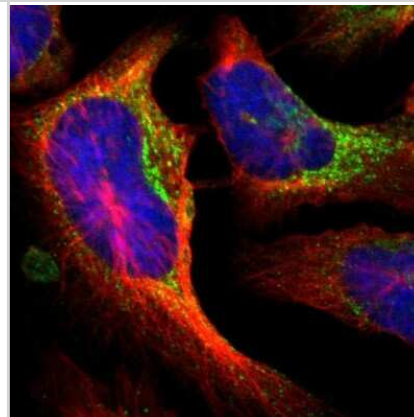
Immunohistochemistry-Paraffin: P4HA1 Antibody [NBP1-84398] - Staining in human placenta and pancreas tissues using NBP1-84398 antibody. Corresponding P4HA1 RNA-seq data are presented for the same tissues.



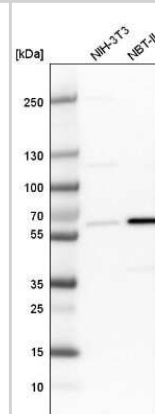
Western Blot: P4HA1 Antibody [NBP1-84398] - Analysis in human cell lines PC-3 and HEK293 using Anti-P4HA1 antibody. Corresponding P4HA1 RNA-seq data are presented for the same cell lines. Loading control: Anti-PFN1.



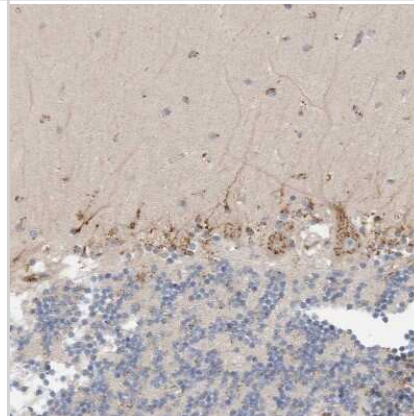
Immunocytochemistry/Immunofluorescence: P4HA1 Antibody [NBP1-84398] - Staining of human cell line U-2 OS shows localization to endoplasmic reticulum & vesicles. Antibody staining is shown in green.



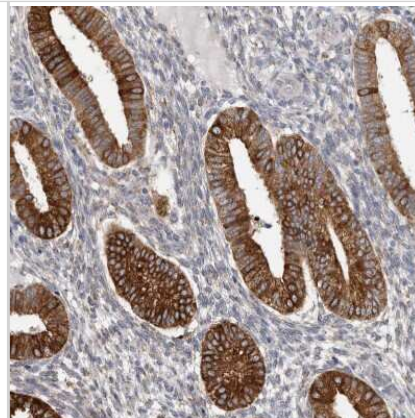
Western Blot: P4HA1 Antibody [NBP1-84398] - Analysis in mouse cell line NIH-3T3 and rat cell line NBT-II.



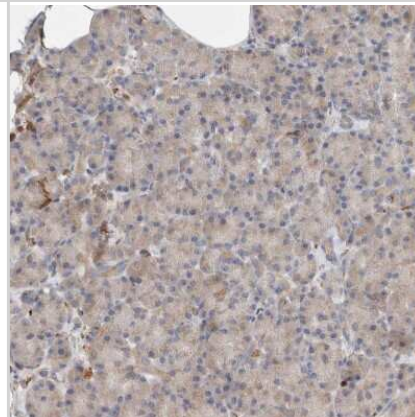
Immunohistochemistry-Paraffin: P4HA1 Antibody [NBP1-84398] - Staining of human cerebellum shows moderate granular cytoplasmic positivity in Purkinje cells.



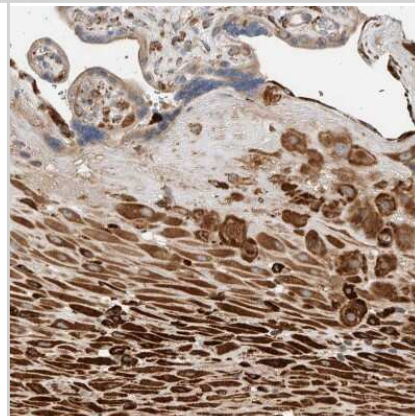
Immunohistochemistry-Paraffin: P4HA1 Antibody [NBP1-84398] - Staining of human endometrium shows strong cytoplasmic positivity in glandular cells.



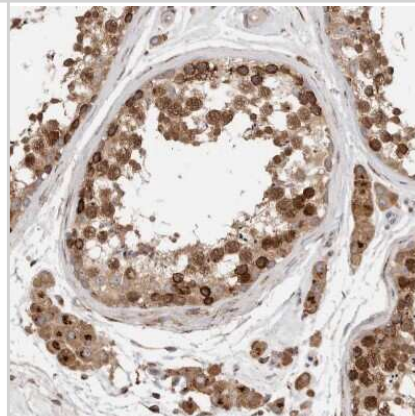
Immunohistochemistry-Paraffin: P4HA1 Antibody [NBP1-84398] - Staining of human pancreas shows very weak positivity in exocrine glandular cells as expected.



Immunohistochemistry-Paraffin: P4HA1 Antibody [NBP1-84398] - Staining of human placenta shows strong cytoplasmic positivity in decidual cells.



Immunohistochemistry-Paraffin: P4HA1 Antibody [NBP1-84398] - Staining of human testis shows moderate to strong granular cytoplasmic positivity in cells in seminiferous ducts.



Publications

Tian P, Koudis NM, Morais MRPT, Pickard A et Al. Collagen IV assembly is influenced by fluid flow in kidney cell-derived matrices *Cells Dev* 2024-04-26 [PMID: 38670459]

Bhute V, Harte J, Houghton J, Maxwell P Mannose binding lectin is hydroxylated by collagen prolyl-4-hydroxylase and inhibited by some PHD inhibitors *Kidney360* 2022-04-04 [PMID: 35368589]

Tian P, Koudis N, Morais M et al. Collagen IV Assembly is Influenced by Fluid Flow in Kidney Cell-Derived Matrices *SSRN* 2023-11-03 (WB, Human)

Details:

Dilution 0.12 ?g/ml

Duatti A Lactate-induced COL1A1/DDR1 axis promotes prostate cancer aggressiveness and enhances metastatic colonization *Thesis* 2023-01-01 (WB)

Kaluz S, Zhang Q, Kuranaga Y Et Al. Targeting HIF-activated collagen prolyl 4-hydroxylase expression disrupts collagen deposition and blocks primary and metastatic uveal melanoma growth *Oncogene* 2021-07-03 [PMID: 34218269] (WB)

Liu Y, Gu Y, Ng S Et Al. Circulating levels of hydroxylated bradykinin function as an indicator of tissue HIF-1 alpha expression *Science Bulletin* 2020-01-01 [PMID: 36738075] (WB, EA, Human)

Morimoto C, Takedachi M, Kawasaki K et al. Hypoxia stimulates collagen hydroxylation in gingival fibroblasts and periodontal ligament cells *Journal of periodontology* 2021-03-04 [PMID: 33660864]

Eriksson J, Le Joncour V, Jahkola T et al. Prolyl 4-hydroxylase subunit alpha 1 (P4HA1) is a biomarker of poor prognosis in primary melanomas, and its depletion inhibits melanoma cell invasion and disrupts tumor blood vessel walls *Mol Oncol* 2020-04-01 [PMID: 32053263] (WB, IHC-P, Human)

Liu Y, Gu Y, Ng S et al. Circulating levels of hydroxylated bradykinin function as an indicator of tissue HIF-1alpha expression *Science Bulletin* 2020-01-01 (IHC-P, WB, Human)

Bhute V, Harte J, Houghton J, Maxwell P Mannose binding lectin is hydroxylated by collagen prolyl-4-hydroxylase and inhibited by some PHD inhibitors *Kidney360* Apr 3 2020 12:00AM (WB, Human)





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 NBP1-84398

NBP1-84398PEP	P4HA1 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/NBP1-84398

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

