

Product Datasheet

Prolyl Oligopeptidase/PREP Antibody - BSA Free NBP2-33950

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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NBP2-33950

Prolyl Oligopeptidase/PREP Antibody - BSA Free

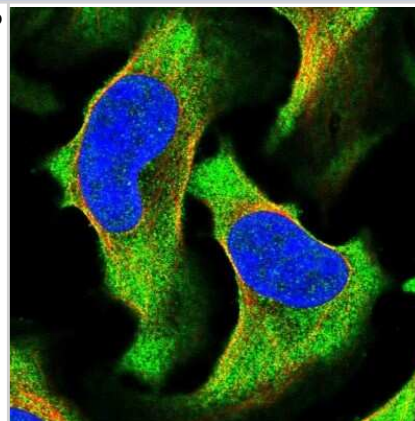
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium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

Product Description	
Host	Rabbit
Gene ID	5550
Gene Symbol	PREP
Species	Human, Mouse
Reactivity Notes	Rat (86%). Use in Mouse reported in scientific literature (PMID:31786979).
Immunogen	This antibody was developed against a recombinant protein corresponding to amino acids: LSIREGCDPVNRLWYCDLQQESSGIAGILKWVKLIDNFEGEYDYVTNEGTVFTF KTNRQSPNYRVINIDFRDPEESKWKVLVPEHEKD

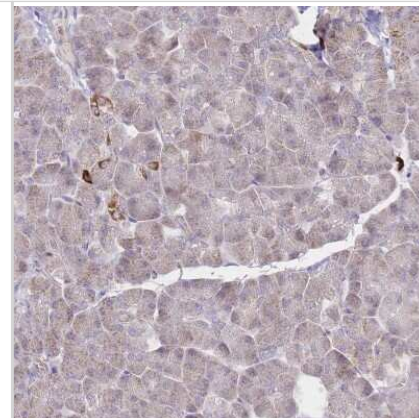
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence 0.25-2 ug/ml, Immunohistochemistry-Paraffin 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

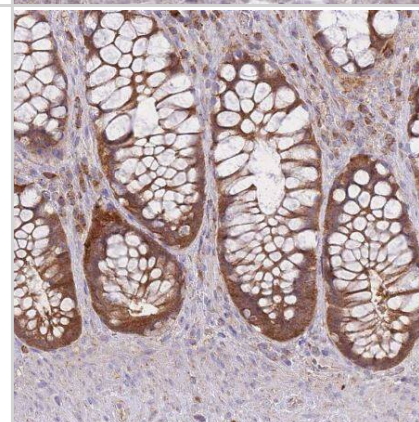
Immunocytochemistry/Immunofluorescence: Prolyl Oligopeptidase/PREP Antibody [NBP2-33950] - Immunofluorescent staining of human cell line U-2 OS shows localization to cytosol. Antibody stainin is shown in green.



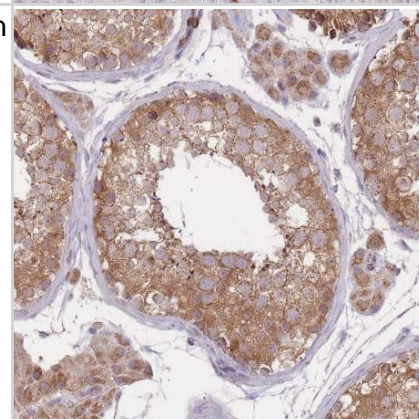
Immunohistochemistry-Paraffin: Prolyl Oligopeptidase/PREP Antibody [NBP2-33950] - Staining of human pancreas shows low expression as expected.



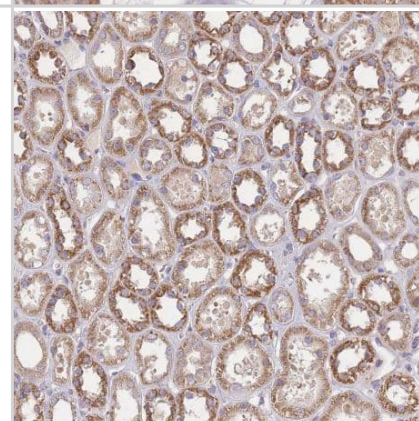
Staining of human Rectum shows moderate cytoplasmic positivity in glandular cells.



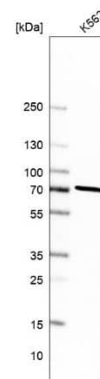
Staining of human testis shows moderate cytoplasmic positivity in cells in seminiferous ducts.



Staining of human kidney shows moderate cytoplasmic positivity in cells in tubules.



Analysis in human cell line K562.



Publications

Romero CA, Kumar N, Nakagawa P et al. Renal release of Ac-SDKP is part of an antifibrotic peptidergic system in the kidney. *Am J Physiol Renal Physiol* 2018-11-07 [PMID: 30403163]

Serfozo PD Angiotensin-Converting Enzyme 2-and Prolyl Carboxypeptidase-Independent Conversion of Angiotensin II to Angiotensin-(1-7) in Circulation and Peripheral Tissues Thesis 2020-01-01 (WB, Mouse)

Serfozo P, Wysocki J, Gulua G, et al. Ang II (Angiotensin II) Conversion to Angiotensin-(1-7) in the Circulation Is POP (Prolyloligopeptidase)-Dependent and ACE2 (Angiotensin-Converting Enzyme 2)-Independent. *Hypertension* 2019-12-02 [PMID: 31786979] (WB, Mouse)





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Products Related to NBP2-33950

NBP2-33950PEP	Prolyl Oligopeptidase/PREP 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.

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