

Rabbit anti-Human PRCP Polyclonal Antibody | anti-PRCP antibody

PRCP Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284810	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

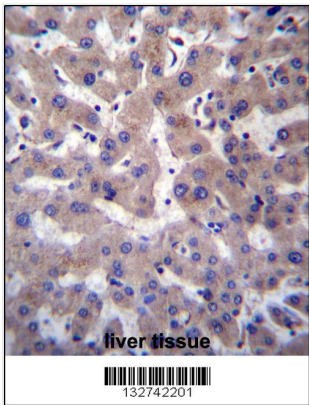
PRODUCT SYNONYMS

PRCP; Polyclonal Antibody; PRCP Antibody (N-term); Lysosomal Pro-X carboxypeptidase; Angiotensinase C; Lysosomal carboxypeptidase C; Proline carboxypeptidase; Prolylcarboxypeptidase; PCP; anti-PRCP antibody

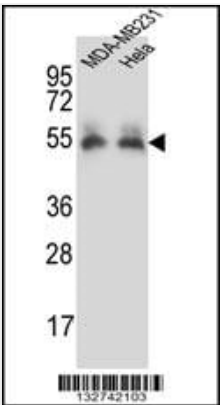
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This PRCP antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 114-143 amino acids from the N-terminal region of human PRCP.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	114-143
Sequence Length	517
Applicable Applications for anti-PRCP antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
PRCP Antibody (N-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of PRCP Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)
PRCP Antibody (N-term) western blot analysis in MDA-MB231, HeLa cell line lysates (35ug/lane). This demonstrates the PRCP antibody detected the PRCP protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-PRCP antibody	The protein encoded by this gene is a lysosomal prolylcarboxypeptidase, which cleaves C-terminal amino acids linked to proline in peptides such as angiotension II, III and des-Arg9-bradykinin. The cleavage occurs at acidic pH, but the enzyme activity is retained with some substrates at neutral pH. This enzyme has been shown to be an activator of the cell matrix-associated prekallikrein. The importance of angiotension II, one of the substrates of this enzyme, in regulating blood pressure and electrolyte balance suggests that this gene may be related to essential hypertension. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq].
Product Categories/Family for anti-PRCP antibody	Cardiovascular; Cell biology
References	Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Zhao, X., et al. Proteomics 10(15):2882-2886(2010) Abeywickrema, P.D., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 6), 702-705 (2010) : Soisson, S.M., et al. BMC Struct. Biol. 10, 16 (2010) : Zhang, Y., et al. Chin. Med. J. 122(20):2461-2465(2009)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4826940
NCBI GeneID	5547
NCBI Accession #	NP_005031.1; NP_955450.2
NCBI GenBank Nucleotide #	NM_005040.2
UniProt Accession #	P42785; A8MU24; B2R7B7; B3KRK5; B5BU34
Molecular Weight	55800
NCBI Official Full Name	lysosomal Pro-X carboxypeptidase isoform 1 preproprotein
NCBI Official Synonym Full Names	prolylcarboxypeptidase (angiotensinase C)
NCBI Official Symbol	PRCP

NCBI Official Synonym Symbols	PCP; HUMPCP
NCBI Protein Information	lysosomal Pro-X carboxypeptidase
UniProt Protein Name	Lysosomal Pro-X carboxypeptidase
UniProt Gene Name	PRCP
UniProt Synonym Gene Names	PCP; PRCP
UniProt Entry Name	PCP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/prcp-antibody-immunohistochemistry-western-blot-elisa/284810>