

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

PRCP Antibody (N-term)

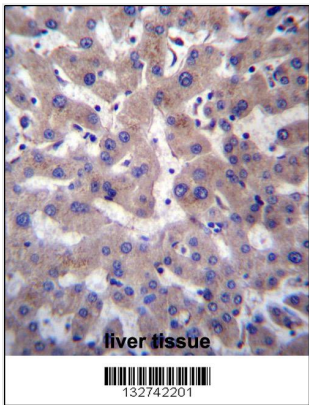
| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                              |
|-----------|--------|------------|-------------------------------------------|
| AAA284810 | Rabbit | Human      | Immunohistochemistry, ELISA, Western Blot |

### PRODUCT SYNONYMS

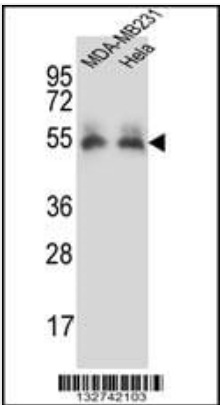
PRCP; Polyclonal Antibody; PRCP Antibody (N-term); Lysosomal Pro-X carboxypeptidase; Angiotensinase C; Lysosomal carboxypeptidase C; Proline carboxypeptidase; Prolylcarboxypeptidase; PCP; anti-PRCP antibody

### 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.                       |



**IHC (Immunohiostchemistry)**  
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)<br>Zhao, X., et al. Proteomics 10(15):2882-2886(2010)<br>Abeywickrema, P.D., et al. Acta Crystallogr. Sect. F Struct. Biol. Cryst. Commun. 66 (PT 6), 702-705 (2010) :<br>Soisson, S.M., et al. BMC Struct. Biol. 10, 16 (2010) :<br>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             | <b>PRCP</b>                      |
| 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://stage.aaabiotech.com/polyclonal/prcp-antibody-immunohistochemistry-western-blot-elisa/284810>