

PRCP

Reactivity:Rat

Tested applications:WB

Recommended Dilution:WB 1:1000 - 1:2000

Calculated MW:56kDa

Observed MW:Refer to figures

Immunogen:

Recombinant protein of human PRCP

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Synonym:

PCP; HUMPCP;

Catalog #:A4040

Antibody Type:

Polyclonal Antibody

Species:Rabbit

Gene ID:5547

Isotype:IgG

Swiss Prot:P42785

Purity:Affinity purification

For research use only.

Background:

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.

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