



Rabbit Anti-PRCP antibody

SL1873R

Product Name:	PRCP
Chinese Name:	脯氨酰羧肽酶抗体
Alias:	prolylcarboxypeptidase; Angiotensinase C; HUMPCP; Lysosomal carboxypeptidase C; Lysosomal Pro x carboxypeptidase; PCP; Proline carboxypeptidase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human PRCP:101-200/496
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	PRCP belongs to the peptidase S28 family. It cleaves C-terminal amino acids linked to proline in peptides such as angiotensin II, III and des-Arg9-bradykinin. This cleavage occurs at acidic pH, but enzymatic activity is retained with some substrates at neutral pH. Function:

Cleaves C-terminal amino acids linked to proline in peptides such as angiotensin II, III and des-Arg9-bradykinin. This cleavage occurs at acidic pH, but enzymatic activity is retained with some substrates at neutral pH.

Subunit:

Homodimer.

Subcellular Location:

Lysosome.

Tissue Specificity:

Highest levels in placenta, lung and liver. Also present in heart, brain, pancreas and kidney.

Similarity:

Belongs to the peptidase S28 family.

SWISS:

P42785

Gene ID:

5547

Database links:

[Entrez Gene: 5547](#)Human

[Omim: 176785](#)Human

[SwissProt: P42785](#)Human

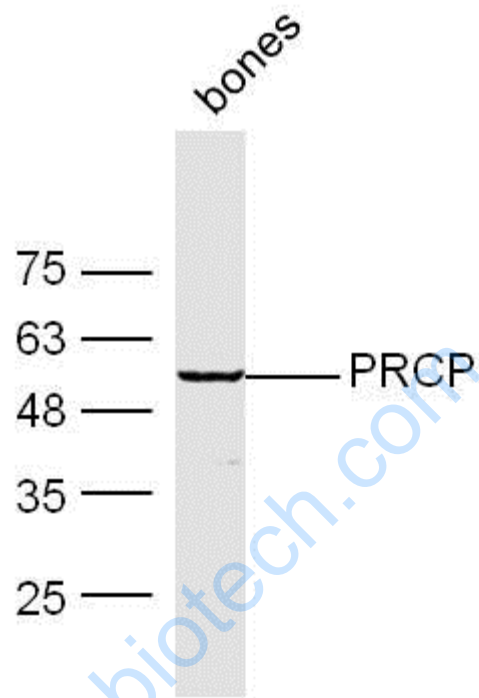
[Unigene: 523936](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

PRCP蛋白位于下丘脑, 其作用是调节人体内黑素细胞刺激素来遏制人的饥饿感, 让人保持精力充沛。用于从而达到减肥目的。

Picture:



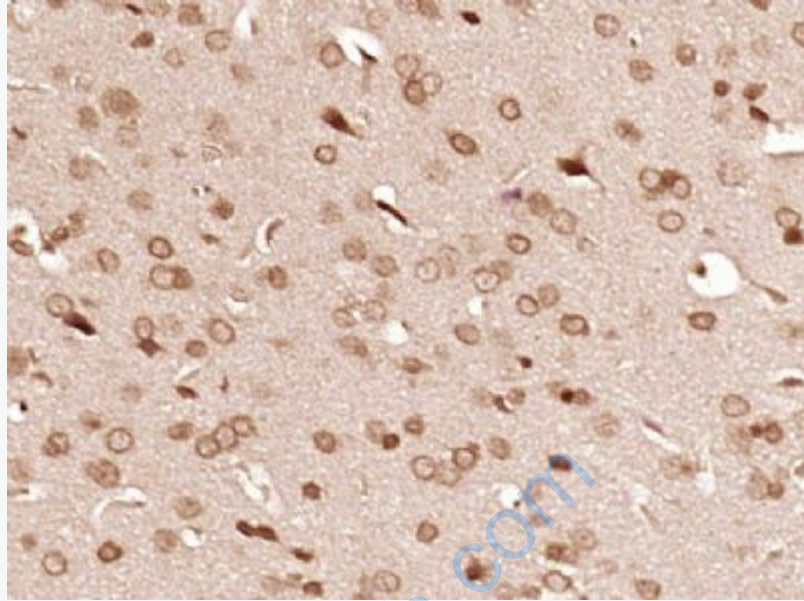
Sample: bone (Mouse) Lysate at 40 ug

Primary: Anti-PRCP(SL1873R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 55 kD

Observed band size: 55 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PRCP) Polyclonal Antibody, Unconjugated (SL1873R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.