

## PRCP Antibody

Catalog No: #31116



Package Size: #31116-1 50ul #31116-2 100ul

Orders: order@signalwayantibody.com

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## Description

Product Name	PRCP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	E WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total PRCP protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to a region derived from 46-317 amino acids of human prolylcarboxypeptidase (angiotensinase C)
Target Name	PRCP
Other Names	Prolylcarboxypeptidase (angiotensinase C), PCP; HUMPCP
Accession No.	Genbank No.: BC001500
Formulation	Supplied at 0.7mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.3, 0.05% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

## Application Details

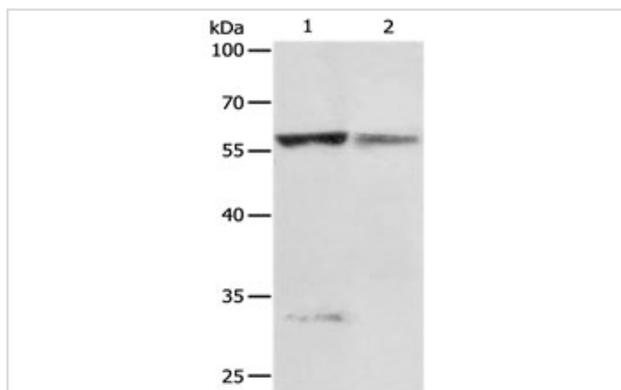
Predicted MW: 56kd

ELISA: 1:1000-1:2000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

## Images



Gel: 10%SDS-PAGE

Lane1: Jurkat cell lysate

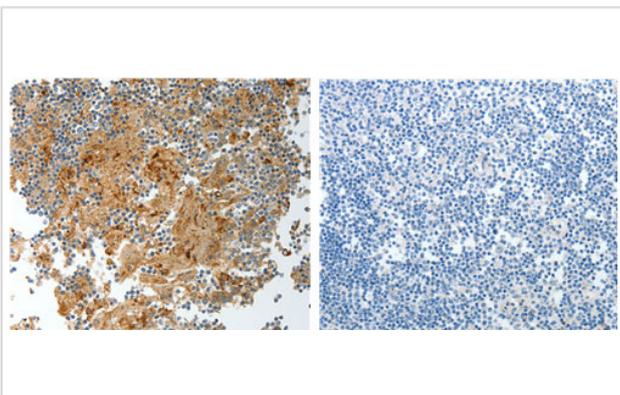
Lane2: Human fetal liver tissue lysate

Lysates: 50 ug per lane

Primary antibody: 1/200 dilution

Secondary antibody: Goat anti Rabbit IgG - H&amp;L (HRP) at 1/10000 dilution

Exposure time: 5 minutes



The image on the left is immunohistochemistry of paraffin-embedded human tonsil tissue using 31116(PRCP Antibody) at dilution 1/20, on the right is treated with the fusion protein.

## 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.