Product Datasheet

PRCP Antibody

Catalog No: #31116

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

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	PRCP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA 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.	Swiss-Prot:P42785Gene ID:5547;
Uniprot	P42785
GeneID	5547;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

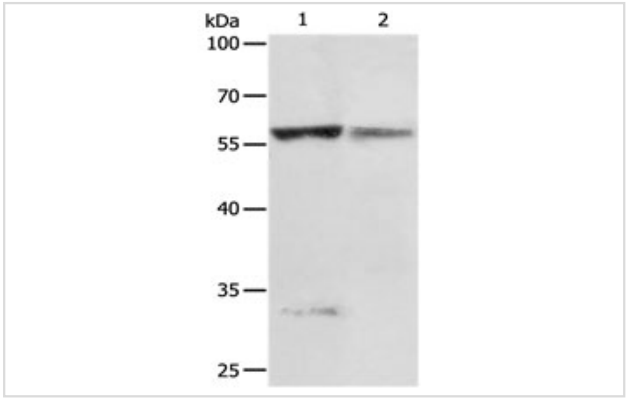
Predicted MW: 56kd

ELISA: 1:1000-1:2000

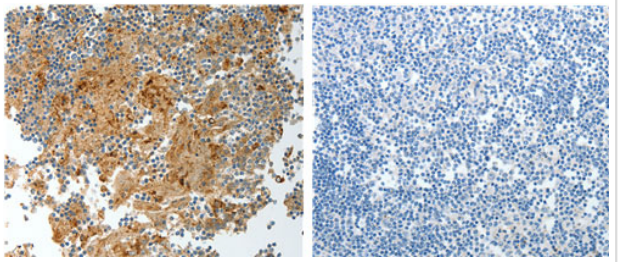
Western blotting: 1:200-1:1000

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&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