

For Research Use Only

PRCP Polyclonal antibody

Catalog Number:15995-1-AP

3 Publications



Basic Information

Catalog Number:

15995-1-AP

Size:

150ul , Concentration: 350 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8869

GenBank Accession Number:

BC001500

GeneID (NCBI):

5547

UNIPROT ID:

P42785

Full Name:

prolylcarboxypeptidase (angiotensinase C)

Calculated MW:

496 aa, 56 kDa

Observed MW:

56 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : A549 cells,

IP : L02 cells,

IHC : human lung cancer tissue,

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

PRCP(Lysosomal Pro-X carboxypeptidase) is also named as PCP and belongs to the peptidase S28 family. This enzyme cleaves C-terminal amino acids linked to proline in peptides such as angiotensin II, III and des-Arg9-bradykinin. PRCP is both a PK activator and an angiotensin II inactivator indicates another previously unappreciated interaction between the plasma kallikrein/kinin and the renin-angiotensin systems(PMID:11830581).Some previous gel filtration and dynamic-light scattering results suggested that PRCP is a dimer in solution(PMID:20540760). The full length protein has a signal peptide, a propeptide and six glycosylation sites and can exist as 65 kDa modified protein.

Notable Publications

Author	Pubmed ID	Journal	Application
Christelle Lenain	26354777	Carcinogenesis	WB
Jing Ren	39484664	Dose Response	WB
Qiao Deng	37012493	Acta Pharmacol Sin	WB,IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

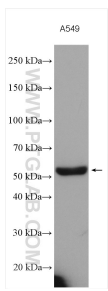
For technical support and original validation data for this product please contact:

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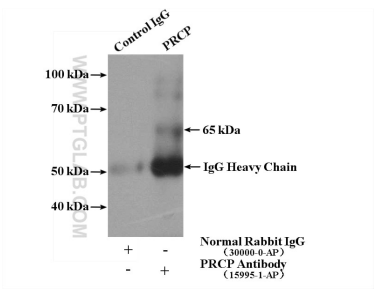
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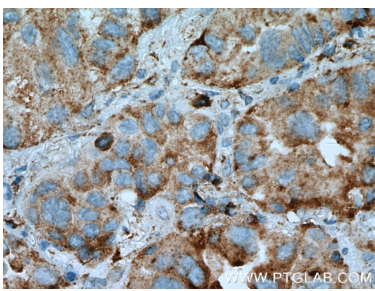
Selected Validation Data



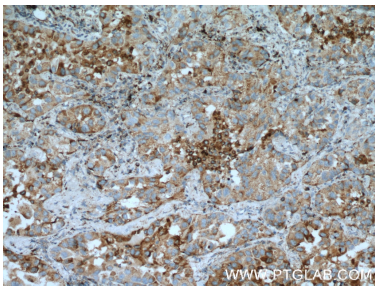
A549 lysates were subjected to SDS PAGE followed by western blot with 15995-1-AP (PRCP antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-PRCP (IP:15995-1-AP, 4ug; Detection:15995-1-AP 1:300) with L02 cells lysate 1800ug.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15995-1-AP (PRCP Antibody) at dilution of 1:200 (under 40x lens).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 15995-1-AP (PRCP Antibody) at dilution of 1:200 (under 10x lens).