

For Research Use Only

PREP Polyclonal antibody

Catalog Number: 11536-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number:

11536-1-AP

Size:

150ul, Concentration: 350 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2101

GenBank Accession Number:

BC030636

GeneID (NCBI):

5550

UNIPROT ID:

P48147

Full Name:

prolyl endopeptidase

Calculated MW:

710 aa, 81 kDa

Observed MW:

81 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:200-1:2000

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, hamster

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

Positive Controls:

WB : human lung tissue, Jurkat cells, mouse lung tissue

IHC : human ovary tumor tissue, human colon cancer tissue, human gliomas tissue

IF/ICC : A549 cells,

Background Information

PREP, also named as PE and PEP, belongs to the peptidase S9A family. It cleaves peptide bonds on the C-terminal side of prolyl residues within peptides that are up to approximately 30 amino acids long. Together with MMPs, PREP may play an important role in the formation of PGP and thus in the pathophysiology of lung emphysema. PREP is the only enzyme directly capable of cleaving PGP from shorter portions of collagen. (PMID:21112944)

Notable Publications

Author	Pubmed ID	Journal	Application
Hui Zeng	32473218	Int J Biol Macromol	WB
Jia Wang	35737520	J Gen Virol	IF
Overbeek Saskia A SA	23383243	PLoS One	WB,IHC,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

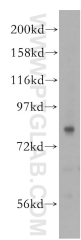
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

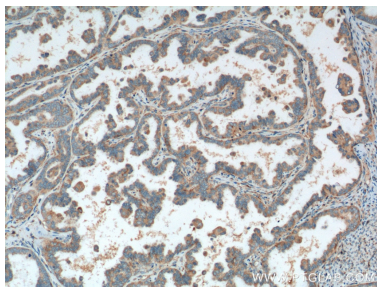
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

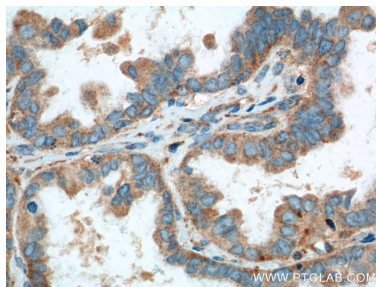
Selected Validation Data



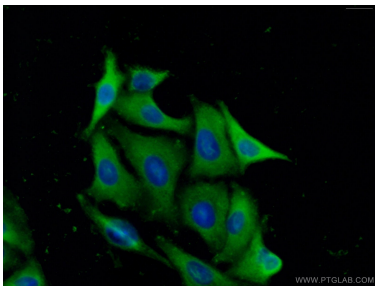
human lung tissue were subjected to SDS PAGE followed by western blot with 11536-1-AP (PREP antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



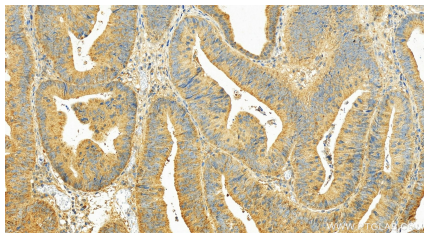
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 11536-1-AP (PREP Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



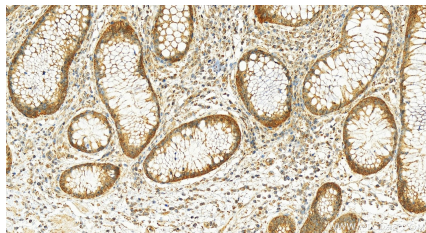
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 11536-1-AP (PREP Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed A549 cells using 11536-1-AP (PREP antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11536-1-AP (PREP antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 11536-1-AP (PREP antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).