

For Research Use Only

PREP Polyclonal antibody

Catalog Number: 11536-1-AP

Featured Product

7 Publications



Basic Information

Catalog Number: 11536-1-AP	GenBank Accession Number: BC030636	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 300 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5550	Recommended Dilutions: WB 1:500-1:1000 IHC 1:100-1:400 IF 1:50-1:500
Source: Rabbit	Full Name: prolyl endopeptidase	
Isotype: IgG	Calculated MW: 710 aa, 81 kDa	
Immunogen Catalog Number: AG2101	Observed MW: 81 kDa	

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IF, IHC, WB

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: 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

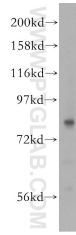
For technical support and original validation data for this product please contact:

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

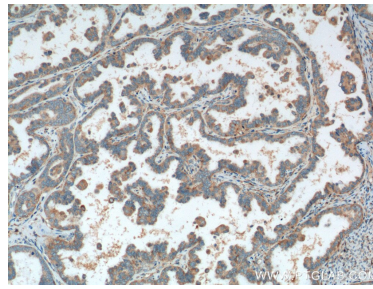
E: proteintech@ptglab.com
W: ptglab.com

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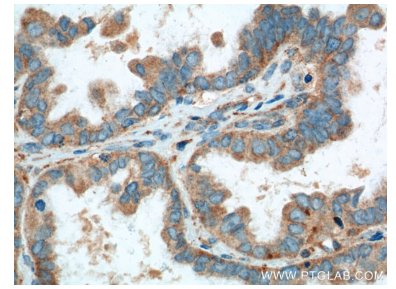
Selected Validation Data



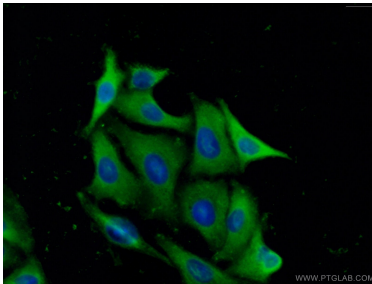
human lung tissue were subjected to SDS PAGE followed by western blot with 11536-1-AP (PREP antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



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).