

For Research Use Only

USP25 Polyclonal antibody

Catalog Number: 12199-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number: 12199-1-AP	GenBank Accession Number: BC015930	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 µg/ml by Nanodrop;	GeneID (NCBI): 29761	Recommended Dilutions: WB 1:500-1:2000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:200-1:800
Source: Rabbit	Full Name: ubiquitin specific peptidase 25	
Isotype: IgG	Calculated MW: 125 kDa	
Immunogen Catalog Number: AG2837	Observed MW: 125 kDa	

Applications

Tested Applications: IHC, IP, WB, ELISA	Positive Controls: WB : BxPC-3 cells, mouse cerebellum tissue, K-562 cells IP : RAW 264.7 cells, IHC : human lung cancer tissue,
Cited Applications: IHC, WB	
Species Specificity: human, mouse	
Cited Species: human, mouse	

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

Ubiquitin carboxyl-terminal hydrolase 25, encoded by USP25 gene, has three isoforms by alternative splicing. Isoform USP25a is found in most adult and fetal tissues; Isoform USP25b is found in all tissues except heart and skeletal muscle. Isoform USP25m is heart and skeletal muscle specific, and is upregulated during myogenesis, therefore, may have a role in the regulation of muscular differentiation and function. USP25, as deubiquitinating enzyme that hydrolyzes ubiquitin moieties conjugated to substrates, functions to process newly synthesized Ubiquitin, to recycle ubiquitin molecules or to edit polyubiquitin chains and prevents proteasomal degradation of substrates.

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Ren	36442624	Biochem Pharmacol	WB
Shuoyi Jiang	33963175	Cell Death Dis	WB
Xiaofei Zhang	28190767	Mol Cell	WB

Storage

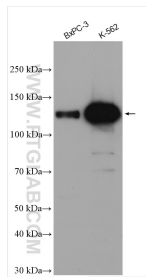
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

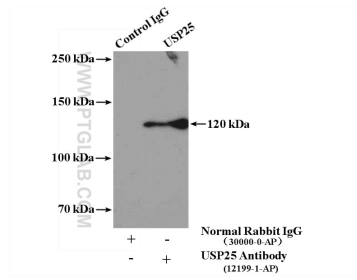
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

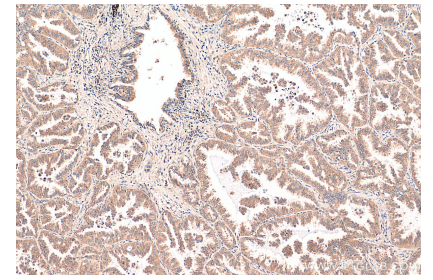
Selected Validation Data



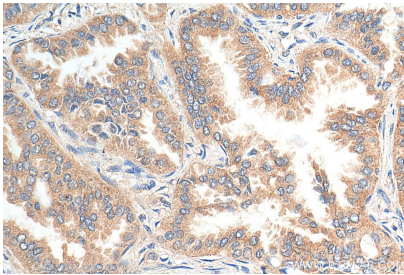
Various lysates were subjected to SDS PAGE followed by western blot with 12199-1-AP (USP25 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



IP Result of anti-USP25 (IP:12199-1-AP, 4 μ g; Detection:12199-1-AP 1:300) with RAW 264.7 cells lysate 1600 μ g.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12199-1-AP (USP25 antibody) at dilution of 1:400 (under 10 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12199-1-AP (USP25 antibody) at dilution of 1:400 (under 40 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).