For Research Use Only

USP25 Polyclonal antibody

Catalog Number:12199-1-AP Featured Product 15 Publications

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
12199-1-AP

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG2837

GenBank Accession Number:
BC015930

GeneID (NCBI):
29761

UNIPROT ID:
Q9UHP3

Full Name:
ubiquitin specific peptidase 25

Calculated MW:
125 kDa

Observed MW:
125 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:1000-1:8000
IP: 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IHC: 1:200-1:800

Applications

Tested Applications:
WB, IHC, IP, ELISA

Cited Applications:
WB, IHC, CoIP

Species Specificity:
human, mouse

Cited Species:
human, mouse, rat

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 : A-673 cells, BxPC-3 cells, J774A.1 cells, mouse cerebellum tissue, HEK-293 cells, K-562 cells, RAW 264.7 cells

IP : RAW 264.7 cells,

IHC : human lung cancer tissue,

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

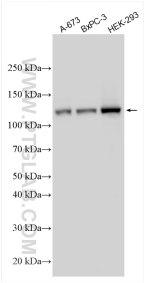
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

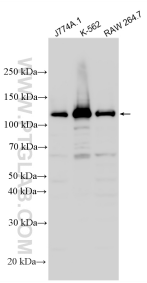
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

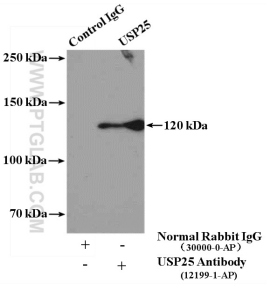
Selected Validation Data



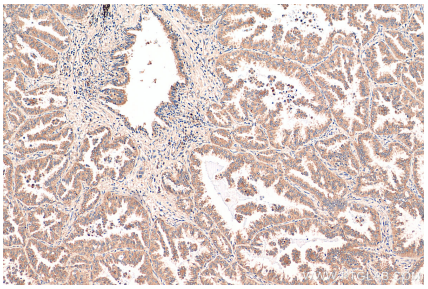
Various lysates were subjected to SDS PAGE followed by western blot with 12199-1-AP (USP25 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



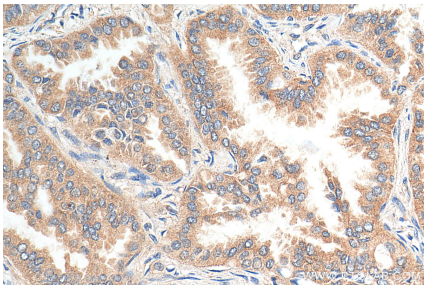
Various lysates were subjected to SDS PAGE followed by western blot with 12199-1-AP (USP25 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 12199-1-AP (USP25 antibody) at dilution of 1:400 (under 10x 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 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).