

For Research Use Only

USP22 Polyclonal antibody

Catalog Number: 55110-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

55110-1-AP

Size:

150ul, Concentration: 750 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_015276

GeneID (NCBI):

23326

Full Name:

ubiquitin specific peptidase 22

Calculated MW:

60 kDa

Observed MW:

58-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

Applications

Tested Applications:

IP, WB, ELISA

Cited Applications:

CoIP, IF, IHC, IP, WB

Species Specificity:

human

Cited Species:

human, rat, mouse

Positive Controls:

WB : A549 cells, HepG2 cells

IP : HepG2 cells,

Background Information

USP22, also named as KIAA1063 and USP3L, belongs to the peptidase C19 family and UBP8 subfamily. It is histone deubiquitinating component of the transcription regulatory histone acetylation (HAT) complex SAGA. USP22 catalyzes the deubiquitination of both histones H2A and H2B, thereby acting as a coactivator. It is recruited to specific gene promoters by activators such as MYC, where it is required for transcription. USP22 is required for nuclear receptor-mediated transactivation and cell cycle progression. USP22 has 2 isoforms with molecular mass of 58kDa and 60 kDa. The antibody is specific to USP22.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|---------------|-----------|-------------------|--------------|
| Dianyun Ren | 34743406 | Mol Oncol | WB,IP |
| Zelong Han | 36333288 | Cell Death Discov | WB,IHC,IF,IP |
| Qingxiang Liu | 29732405 | Sci Adv | 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

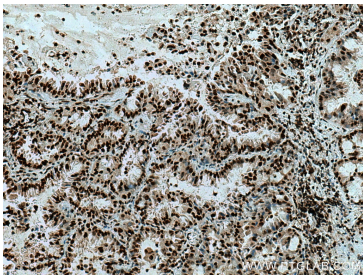
For technical support and original validation data for this product please contact:

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

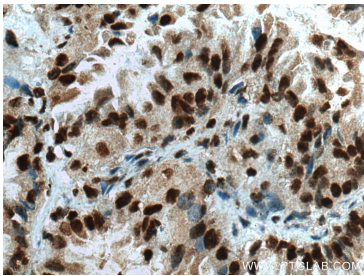
E: proteintech@ptglab.com
W: ptglab.com

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

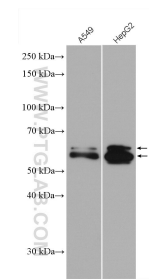
Selected Validation Data



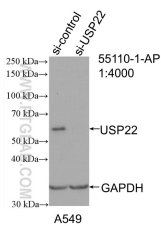
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55110-1-AP (USP22 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



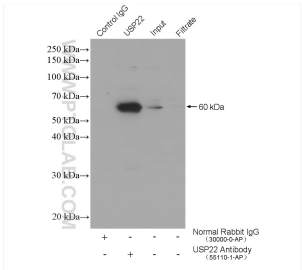
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55110-1-AP (USP22 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 55110-1-AP (USP22 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



WB result of USP22 antibody (55110-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP22 transfected A549 cells.



IP result of anti-USP22 (IP:55110-1-AP, 4ug; Detection:55110-1-AP 1:500) with HepG2 cells lysate 4000 ug.