

For Research Use Only

# USP22 Polyclonal antibody

Catalog Number: 55110-1-AP

Featured Product

14 Publications



## Basic Information

**Catalog Number:**

55110-1-AP

**Size:**

750 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

NM\_015276

**GeneID (NCBI):**

23326

**UNIPROT ID:**

Q9UPT9

**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 1.0-3.0 mg of total protein lysate

## Applications

**Tested Applications:**

WB, IP, ELISA

**Cited Applications:**

WB, IHC, IF, IP, CoIP

**Species Specificity:**

human

**Cited Species:**

human, mouse, rat

**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

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

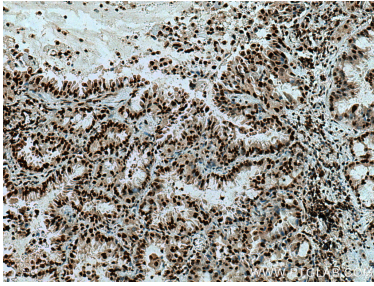
T: 4006900926

E: Proteintech-CN@ptglab.com

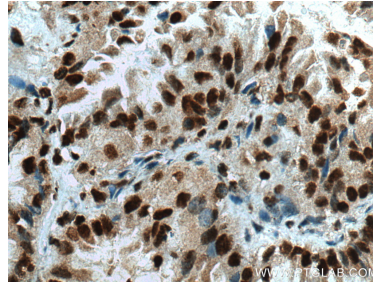
W: ptgcn.com

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

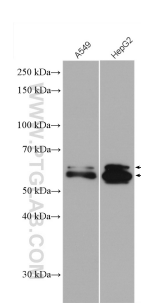
## Selected Validation Data



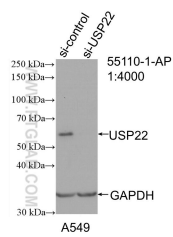
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55110-1-AP (USP22 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



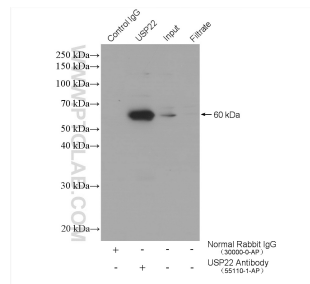
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 55110-1-AP (USP22 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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.