

For Research Use Only

# USP15 Polyclonal antibody

Catalog Number: 14354-1-AP

Featured Product

18 Publications



## Basic Information

### Catalog Number:

14354-1-AP

### Size:

150ul, Concentration: 600 µg/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5703

### GenBank Accession Number:

BC020688

### GeneID (NCBI):

9958

### Full Name:

ubiquitin specific peptidase 15

### Calculated MW:

112 kDa

### Observed MW:

112 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:2000-1:12000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

## Applications

### Tested Applications:

IHC, IP, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, IP, WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, rat, mouse, bovine

### Positive Controls:

**WB**: HEK-293 cells, HeLa cells, mouse brain tissue, HepG2 cells, K-562 cells, MCF-7 cells, NIH/3T3 cells, rat brain tissue

**IP**: mouse brain tissue,

**IHC**: human breast cancer tissue, human ovary tumor tissue, human renal cell carcinoma tissue

**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 is a highly conserved eukaryotic protein that is synthesized as a fusion protein precursor, either to itself or to one of two ribosomal proteins. USP15, is also named as KIAA0529, Unph-2, Unph4, encoding a human ubiquitin-specific protease (USP). The USP15 protein contains the highly conserved Cys and His boxes present in all members of the UBP family of deubiquitinating enzymes (PMID:10444327). It has 3 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
Xinyao Tian	36163170	Cell Death Dis	WB, IP
Haihai Liang	31512556	Autophagy	WB
Yixuan Zhao	32671073	Front Cell Dev Biol	CoIP

## 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

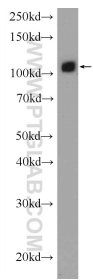
For technical support and original validation data for this product please contact:

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

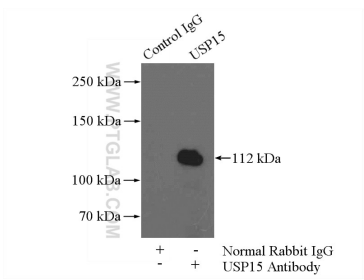
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

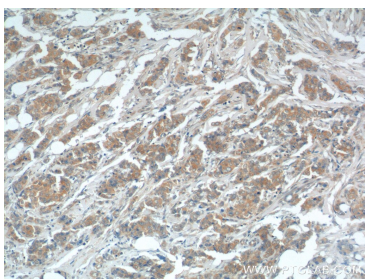
Selected Validation Data



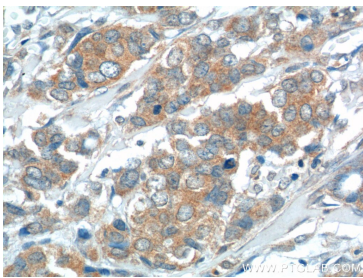
mouse brain tissue were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



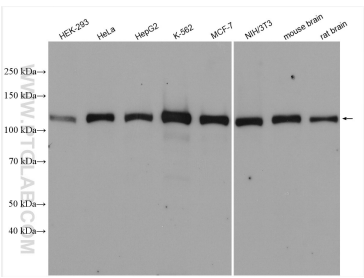
IP Result of anti-USP15 (IP:14354-1-AP, 4ug; Detection:14354-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



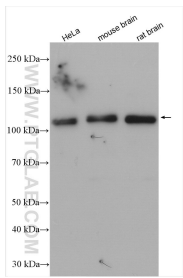
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 10x lens).



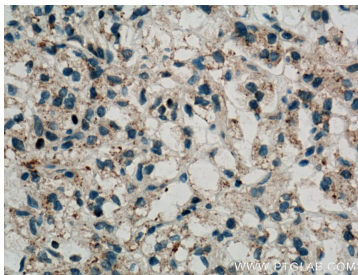
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 40x lens).



Various lysates were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



HeLa cells were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human renal cell carcinoma tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).