

For Research Use Only

# USP15 Polyclonal antibody

Catalog Number: 14354-1-AP

Featured Product

21 Publications



## Basic Information

### Catalog Number:

14354-1-AP

### Size:

600 ug/ml

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG5703

### GenBank Accession Number:

BC020688

### GeneID (NCBI):

9958

### UNIPROT ID:

Q9Y4E8

### 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 ug for 1.0-3.0 mg of total protein lysate

IHC 1:250-1:1000

## Applications

### Tested Applications:

WB, IHC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, CoIP

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat, bovine

**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** : 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 placenta tissue, human breast cancer tissue, human lung tissue, human ovary tumor tissue, mouse kidney tissue, rat small intestine tissue

## 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

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

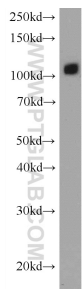
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

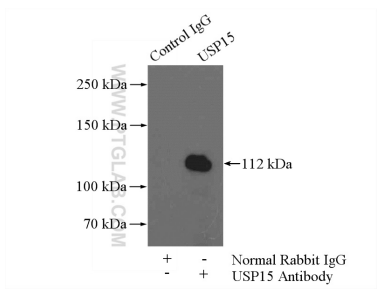
W: [ptgcn.com](http://ptgcn.com)

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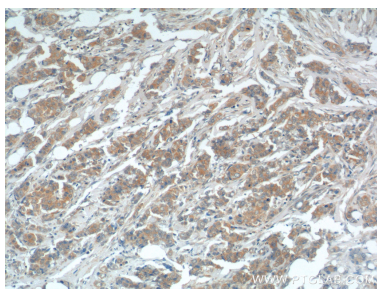
Selected Validation Data



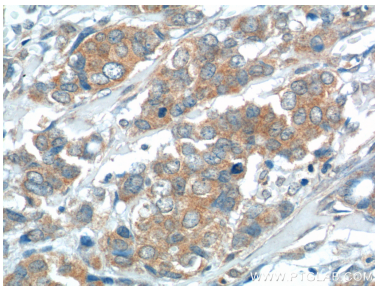
mouse brain tissue were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



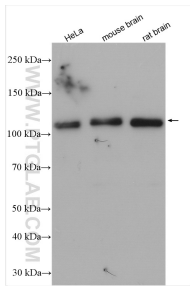
IP result of anti-USP15 (IP:14354-1-AP, 4ug; Detection:14354-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



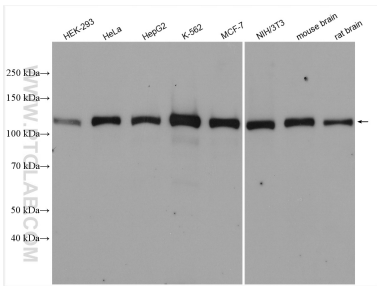
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 10x lens).



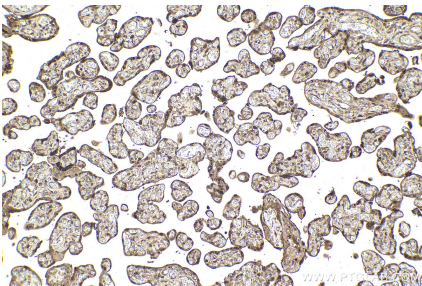
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 40x lens).



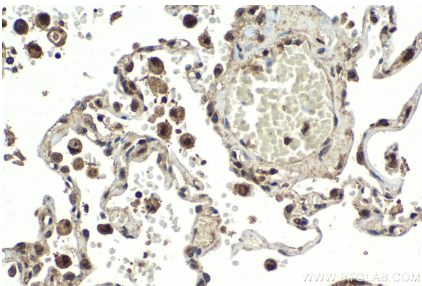
HeLa cells were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



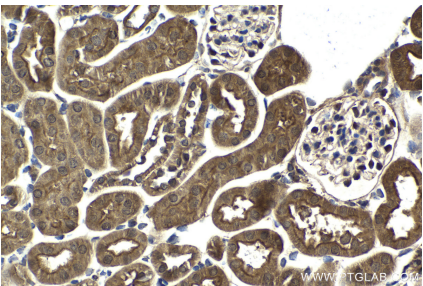
Various lysates were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



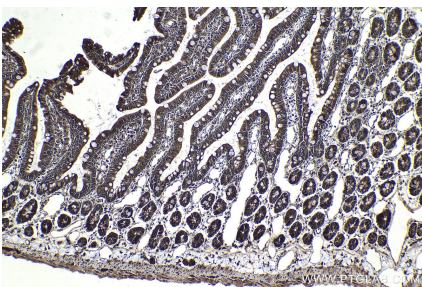
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 14354-1-AP (USP15 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 14354-1-AP (USP15 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse kidney tissue slide using 14354-1-AP (USP15 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded rat small intestine tissue slide using 14354-1-AP (USP15 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).