

For Research Use Only

USP15 Polyclonal antibody

Catalog Number: 14354-1-AP

Featured Product

21 Publications



Basic Information

Catalog Number:

14354-1-AP

Size:

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

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

*** 20ul sizes contain 0.1% BSA

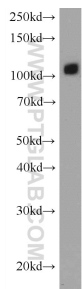
For technical support and original validation data for this product please contact:

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

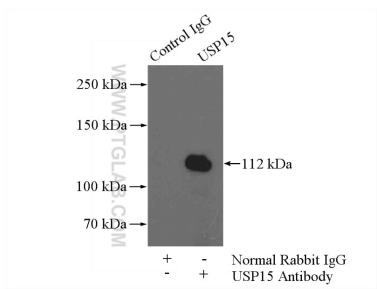
E: proteintech@ptglab.com
W: ptglab.com

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

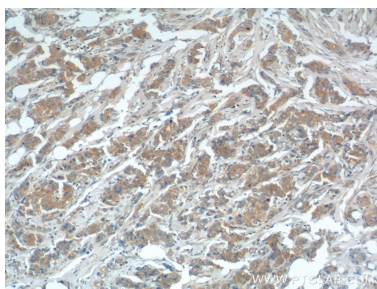
Selected Validation Data



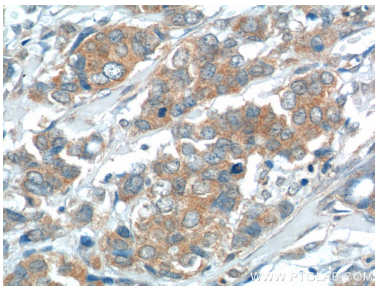
mouse brain tissue were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



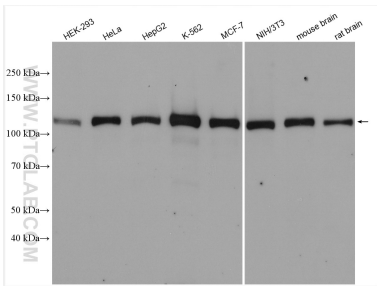
IP result of anti-USP15 (IP:14354-1-AP, 4ug; Detection:14354-1-AP 1:1000) with mouse brain tissue lysate 4000ug.



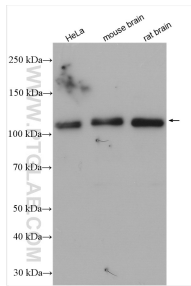
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 10x lens).



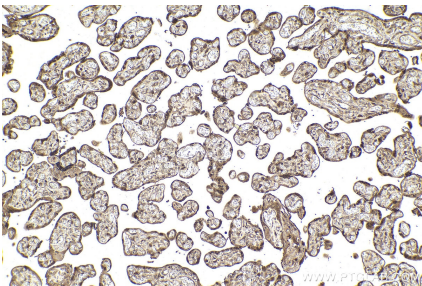
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 14354-1-AP (USP15 Antibody) at dilution of 1:200 (under 40x lens).



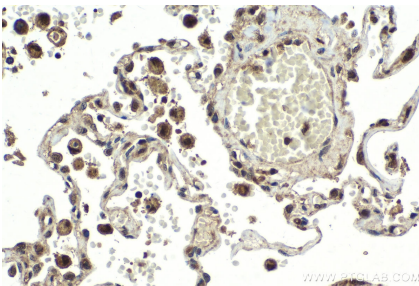
Various lysates were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



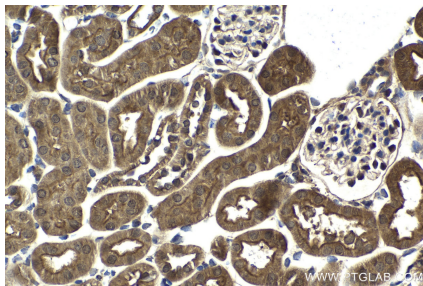
HeLa cells were subjected to SDS PAGE followed by western blot with 14354-1-AP (USP15 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



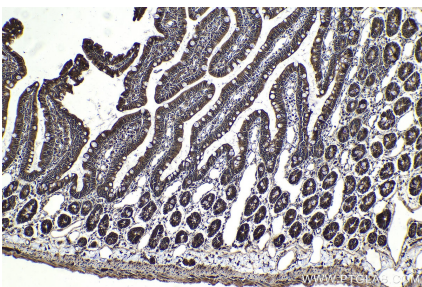
Immunohistochemical analysis of paraffin-embedded human placenta tissue slide using 14354-1-AP (USP15 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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).