

For Research Use Only

USP16 Polyclonal antibody

Catalog Number:14055-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

14055-1-AP

Size:

150ul , Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4981

GenBank Accession Number:

BC030777

GeneID (NCBI):

10600

UNIPROT ID:

Q9Y5T5

Full Name:

ubiquitin specific peptidase 16

Calculated MW:

94 kDa

Observed MW:

100-120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:50-1:500

Applications

Tested Applications:

WB, IHC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human

Cited Species:

human, mouse

Positive Controls:

WB : HeLa cells, K-562 cells

IP : HeLa cells,

IHC : human liver tissue, human brain tissue, human spleen tissue, human ovary tissue, human kidney tissue, human heart tissue, human testis tissue, human skin 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

USP16 (Ubiquitin specific peptidase 16) was originally identified as a DUB of histone H2A which is implicated in cell cycle progression and HOXD10 gene expression (PMID:17914355). The knockout study has reported that depletion of USP16 results in early embryonic lethality in mice (PMID:24784029). Moreover, USP16 mediated the deubiquitination and stabilization of Drp1 through its direct interaction with Drp1 (PMID:37488647).

Notable Publications

Author	Pubmed ID	Journal	Application
Christine Galant	30608617	Rheumatology (Oxford)	IHC
Nadine Sen Nkwe	34005181	J Cell Sci	WB,IF
Nadine Sen Nkwe	32005696	J Cell Sci	WB,IF

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

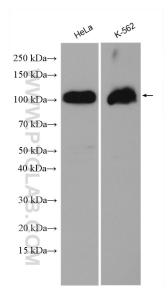
For technical support and original validation data for this product please contact:

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

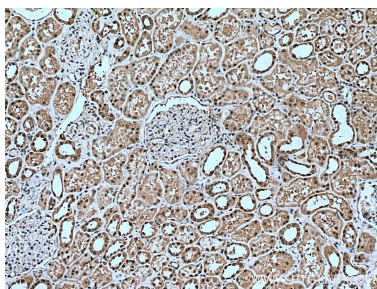
E: proteintech@ptglab.com
W: ptglab.com

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

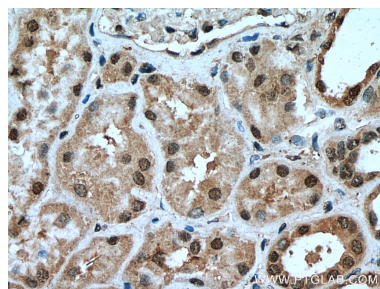
Selected Validation Data



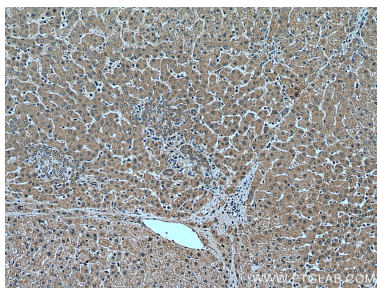
Various lysates were subjected to SDS PAGE followed by western blot with 14055-1-AP (USP16 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



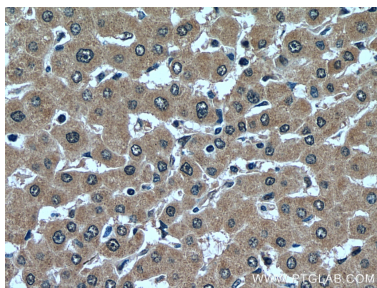
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14055-1-AP (USP16 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



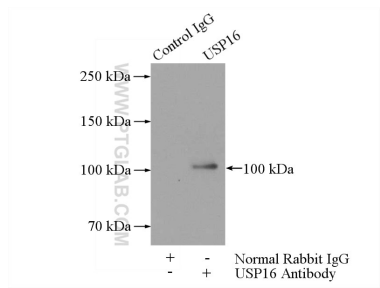
Immunohistochemical analysis of paraffin-embedded human kidney tissue slide using 14055-1-AP (USP16 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 14055-1-AP (USP16 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 liver tissue slide using 14055-1-AP (USP16 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-USP16 (IP:14055-1-AP, 5ug; Detection:14055-1-AP 1:1000) with HeLa cells lysate 880ug.