

For Research Use Only

USP13 Polyclonal antibody

Catalog Number: 16840-1-AP

Featured Product

19 Publications



Basic Information

Catalog Number:

16840-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10527

GenBank Accession Number:

BC016146

GeneID (NCBI):

8975

UNIPROT ID:

Q92995

Full Name:

ubiquitin specific peptidase 13 (isopeptidase T-3)

Calculated MW:

863 aa, 97 kDa

Observed MW:

97-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

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

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, CoIP

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : HeLa cells, mouse testis tissue, A375 cells, HEK-293 cells, rat testis tissue, PC-3 cells

IP : HeLa cells,

IHC : human skin cancer tissue, human brain tissue, human heart tissue, human liver tissue, human ovary tissue, human placenta tissue, human testis tissue

IF/ICC : HeLa cells,

Background Information

USP13 (Ubiquitin carboxyl-terminal hydrolase 13) is also named as ISOT3 and belongs to the peptidase C19 family. It is involved in ubiquitin-dependent protein catabolism. USP13 is responsible for MITF deubiquitination, utilizing a short hairpin RNA library against known deubiquitinating enzymes. This protein has 2 isoforms produced by alternative splicing.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhi Qu	31802942	Cancer Manag Res	IHC
Ting Zhang	34872023	Pathol Res Pract	WB, IHC, CoIP
Fan Yu	33169399	J Cell Physiol	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

*** 20ul sizes contain 0.1% BSA

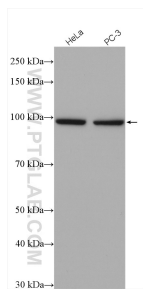
For technical support and original validation data for this product please contact:

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

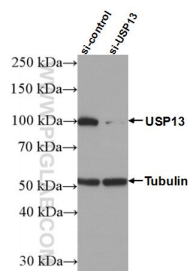
E: proteintech@ptglab.com
W: ptglab.com

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

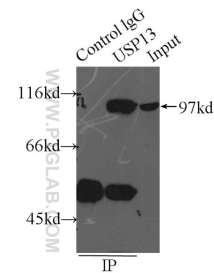
Selected Validation Data



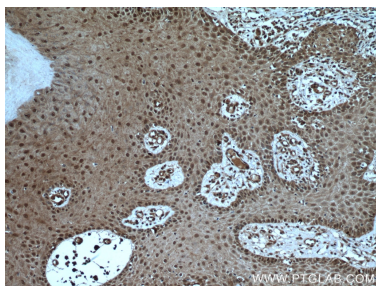
Various lysates were subjected to SDS PAGE followed by western blot with 16840-1-AP (USP13 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



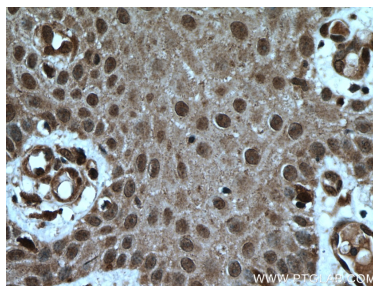
WB result of USP13 antibody (16840-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP13 transfected HeLa cells.



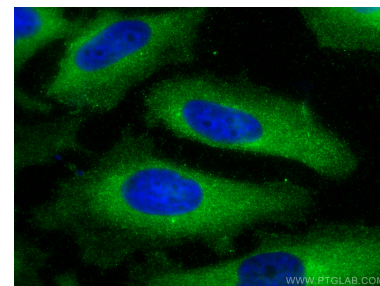
IP result of anti-USP13 (IP:16840-1-AP, 5ug; Detection:16840-1-AP 1:500) with HeLa cells lysate 2000ug.



Immunohistochemical analysis of paraffin-embedded human skin cancer tissue slide using 16840-1-AP (USP13 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 skin cancer tissue slide using 16840-1-AP (USP13 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using USP13 antibody (16840-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).