

For Research Use Only

# USP13 Monoclonal antibody

Catalog Number: 66176-1-Ig

Featured Product

2 Publications



## Basic Information

Catalog Number:

66176-1-Ig

Size:

150ul, Concentration: 1400 ug/ml by Nanodrop and 800 ug/ml by Bradford method using BSA as the standard;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG10506

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:

Protein G purification

CloneNo.:

6E8C10

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:20-1:200

IF/ICC 1:200-1:800

## Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human, mouse

**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: U2OS cells, HeLa cells, HepG2 cells, A375 cells, HEK-293 cells, Jurkat cells, MOLT-4 cells

IHC: human testis tissue, human skin cancer tissue

IF/ICC: HepG2 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
Shuaishuai Hu	34179099	Front Mol Biosci	WB
Qian Wang	39608596	Biochim Biophys Acta Mol Basis Dis	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

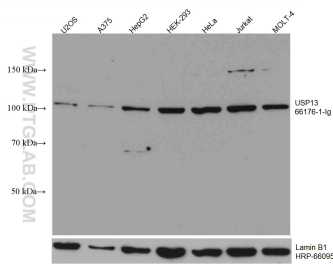
For technical support and original validation data for this product please contact:

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

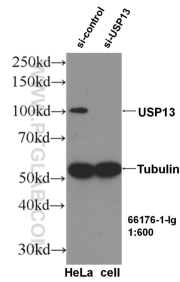
E: proteintech@ptglab.com  
W: ptglab.com

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

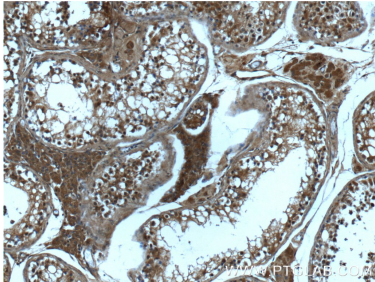
Selected Validation Data



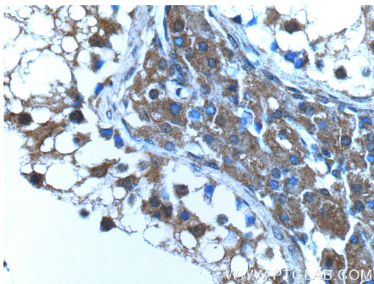
Various lysates were subjected to SDS PAGE followed by western blot with 66176-1-Ig (USP13 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



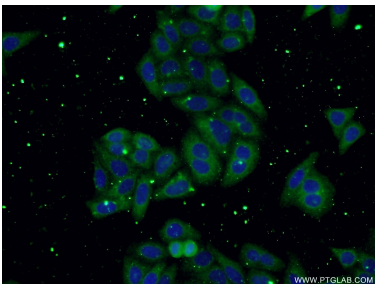
WB result of USP13 antibody (66176-1-Ig, 1:600) with si-Control and si-USP13 transfected HeLa cells.



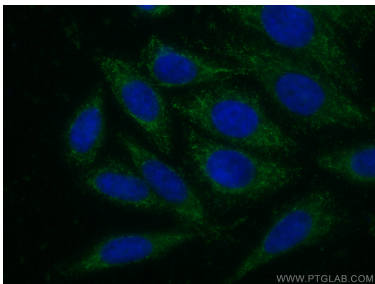
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66176-1-Ig (USP13 Antibody) at dilution of 1:200 (under 10x lens).



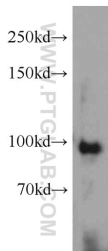
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66176-1-Ig (USP13 Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of HepG2 cells using 66176-1-Ig (USP13 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using USP13 antibody (66176-1-Ig, Clone: 6E8C10 ) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



HepG2 cells were subjected to SDS PAGE followed by western blot with 66176-1-Ig (USP13 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.