

For Research Use Only

# USP13 Monoclonal antibody

Catalog Number: 66176-1-Ig

Featured Product

1 Publications



## Basic Information

**Catalog Number:**

66176-1-Ig

**Size:**

1400 µg/ml

**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 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, IHC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human

**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:** 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

## 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:

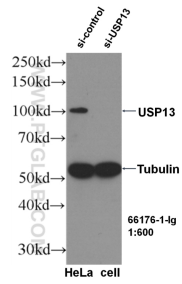
T: 4006900926

E: Proteintech-CN@ptglab.com

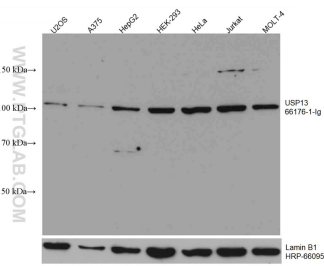
W: ptgcn.com

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

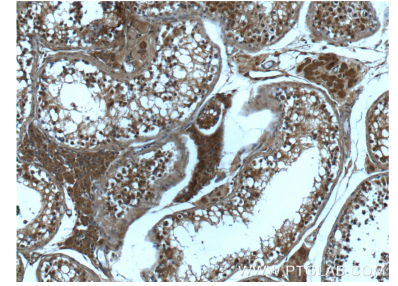
## Selected Validation Data



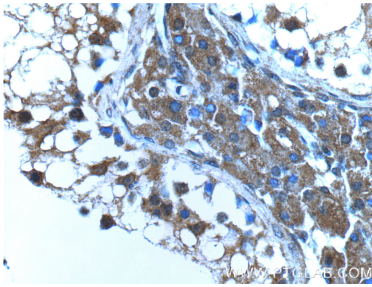
WB result of USP13 antibody (66176-1-Ig, 1:600) with si-Control and si-USP13 transfected HeLa cells.



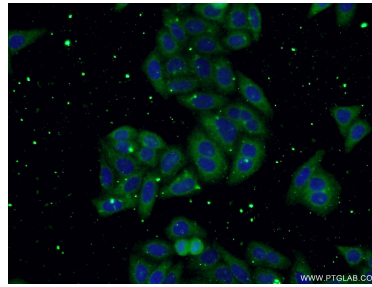
Various lysates were subjected to SDS PAGE followed by western blot with 66176-1-Ig (USP13 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Lamin B1 Monoclonal antibody (HRP-66095) as loading control.



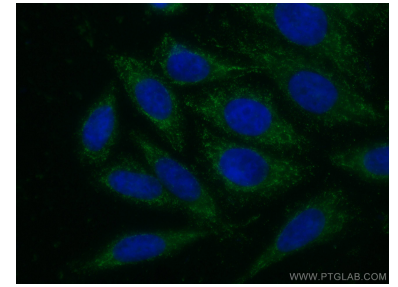
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66176-1-Ig (USP13 Antibody) at dilution of 1:200 (under 10x lens).



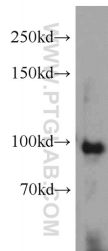
Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66176-1-Ig (USP13 Antibody) at dilution of 1:200 (under 40x lens).



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.