

For Research Use Only

# USP36 Monoclonal antibody

Catalog Number: 68165-1-Ig

Featured Product

1 Publications



## Basic Information

Catalog Number:

68165-1-Ig

Size:

1000 ug/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6426

GenBank Accession Number:

BC038983

GeneID (NCBI):

57602

UNIPROT ID:

Q9P275

Full Name:

ubiquitin specific peptidase 36

Calculated MW:

1123 aa, 123 kDa

Observed MW:

150 kDa

Purification Method:

Protein G purification

CloneNo.:

1A1B3

Recommended Dilutions:

WB 1:2000-1:10000

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

IF/ICC 1:400-1:1600

## Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Positive Controls:

WB : U2OS cells, K-562 cells, HeLa cells, A549 cells, HEK-293 cells, Jurkat cells, HSC-T6 cells, NIH/3T3 cells

IP : Jurkat cells,

IF/ICC : HeLa cells,

## Background Information

USP36 (Ubiquitin carboxyl-terminal hydrolase 36) is also named as KIAA1453, FLJ12851, DUB1 and belongs to the peptidase C19 family. It regulates the transcription and processing of rRNA by deubiquitylating various proteins involved in these processes, and the aberrant nucleolar structure in its absence is secondary to deficient ribosome biogenesis. USP36 plays a crucial role in regulating the structure and function of nucleoli (PMID:19208757). The ubiquitin-specific protease that is required in germline, epithelial, and intestinal stem cells (PMID:19039105). USP36 can be detected in 150 kDa (PMID:33852194)

## Notable Publications

Author	Pubmed ID	Journal	Application
Gengchen Xie	38474064	Int J Mol Sci	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:

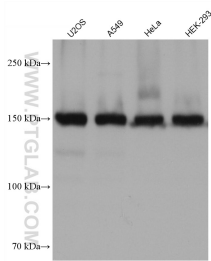
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

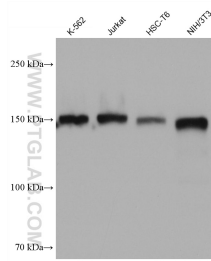
W: [ptgcn.com](http://ptgcn.com)

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

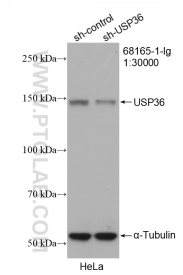
Selected Validation Data



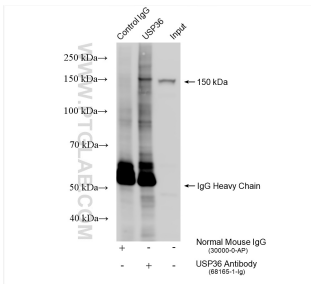
Various lysates were subjected to SDS PAGE followed by western blot with 68165-1-Ig (USP36 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



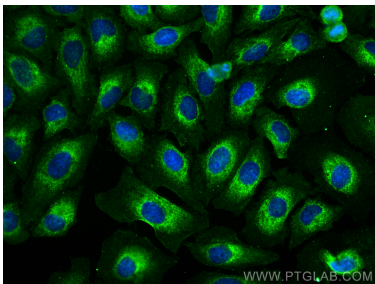
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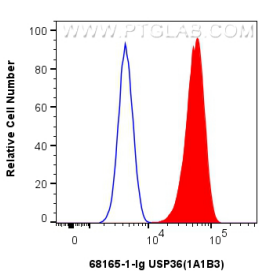
WB result of USP36 antibody (68165-1-Ig; 1:30000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP36 transfected HeLa cells.



IP result of anti-USP36 (IP:68165-1-Ig, 4ug; Detection:68165-1-Ig 1:3000) with Jurkat cells lysate 2030 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using USP36 antibody (68165-1-Ig, Clone: 1A1B3 ) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).



1x10<sup>6</sup> U2OS cells were intracellularly stained with 0.25 ug USP36 Monoclonal antibody (68165-1-Ig, Clone:1A1B3) and CoraLite®488-Conjugated Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.25 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).