

For Research Use Only

# USP39 Polyclonal antibody

Catalog Number: 23865-1-AP

Featured Product

18 Publications



## Basic Information

### Catalog Number:

23865-1-AP

### Size:

150ul, Concentration: 600 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG20894

### GenBank Accession Number:

BC067273

### GeneID (NCBI):

10713

### UNIPROT ID:

Q53GS9

### Full Name:

ubiquitin specific peptidase 39

### Calculated MW:

565 aa, 65 kDa

### Observed MW:

60-65 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:4000

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

IHC 1:600-1:2400

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC, IF, IP, RIP

### 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 : K-562 cells, HEK-293 cells, HepG2 cells, HeLa cells, Jurkat cells

IP : K-562 cells,

IHC : human colon cancer tissue,

IF/ICC : HUVEC cells,

## Background Information

USP39 plays a role in many cellular processes including cellular antiviral response, epithelial morphogenesis, DNA repair or B-cell development. USP39 regulates apoptosis and G2/M cell cycle checkpoint in response to DNA damage by deubiquitinating and stabilizing CHK2

## Notable Publications

Author	Pubmed ID	Journal	Application
Zhifeng Lin	27629785	Mol Cell Biochem	WB
Zhe Chen	28878014	J Biol Chem	WB,IP
Jian Jiang	30323969	Am J Cancer Res	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

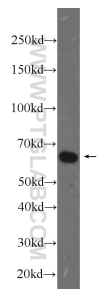
For technical support and original validation data for this product please contact:

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

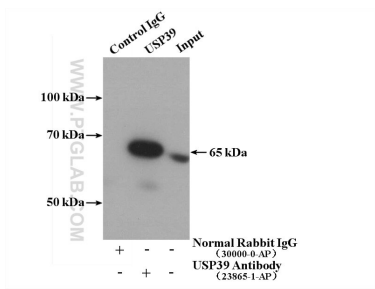
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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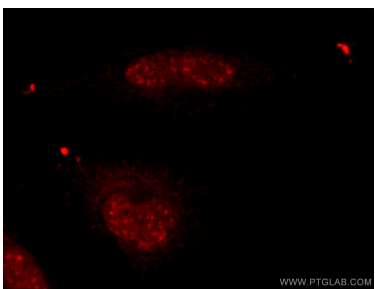
Selected Validation Data



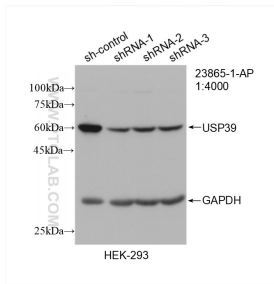
K-562 cells were subjected to SDS PAGE followed by western blot with 23865-1-AP (USP39 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



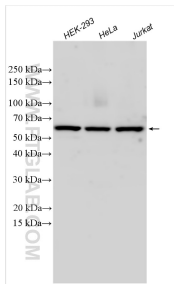
IP result of anti-USP39 (IP:23865-1-AP, 4ug; Detection:23865-1-AP 1:1000) with K-562 cells lysate 3200ug.



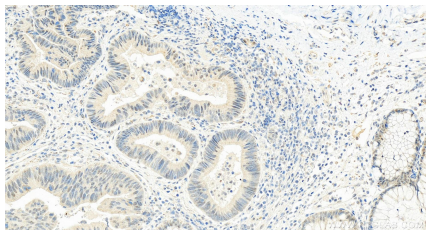
Immunofluorescent analysis of HUVEC cells using 23865-1-AP (USP39 antibody) at dilution of 1:25 and Rhodamine-Goat anti-Rabbit IgG.



WB result of USP39 antibody (23865-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP39 transfected HEK-293 cells.



Various lysates were subjected to SDS PAGE followed by western blot with 23865-1-AP (USP39 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 23865-1-AP (USP39 antibody) at dilution of 1:1200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).