

For Research Use Only

# USP9X Recombinant antibody

Catalog Number: 81892-1-RR

Featured Product



## Basic Information

### Catalog Number:

81892-1-RR

### Size:

100ul, Concentration: 1000 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

NM\_001039590

### GeneID (NCBI):

8239

### UNIPROT ID:

Q93008

### Full Name:

ubiquitin specific peptidase 9, X-linked

### Calculated MW:

292 kDa

### Observed MW:

260-290 kDa

### Purification Method:

Protein A purification

### CloneNo.:

1B23

### Recommended Dilutions:

WB 1:5000-1:50000

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

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Species Specificity:

human, mouse, rat

### Positive Controls:

WB : HEK-293 cells, HeLa cells, A549 cells, K-562 cells, Jurkat cells, mouse brain tissue, rat brain tissue

IP : HEK-293 cells,

IF/ICC : HeLa cells,

## Background Information

USP9X, also named as DFFRX, FAM and USP9, belongs to the peptidase C19 family. It may function as a ubiquitin-protein or polyubiquitin hydrolase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. It plays an important regulatory role at the level of protein turnover by preventing degradation of proteins through the removal of conjugated ubiquitin. USP9X is an essential component of TGF-beta/BMP signaling cascade. Deubiquitination of SMAD4 by USP9X restores its competence to mediate TGF-beta signaling. USP9X regulates chromosome alignment and segregation in mitosis by regulating the localization of BIRC5/survivin to mitotic centromeres. The antibody is specific to USP9X. It has no cross reaction to USP9Y.

## 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

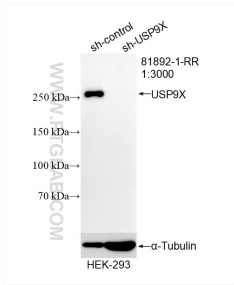
For technical support and original validation data for this product please contact:

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

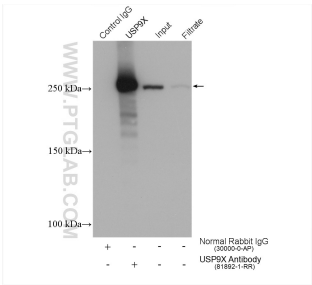
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

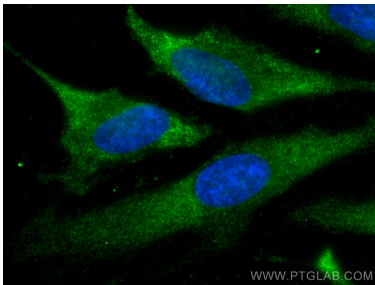
Selected Validation Data



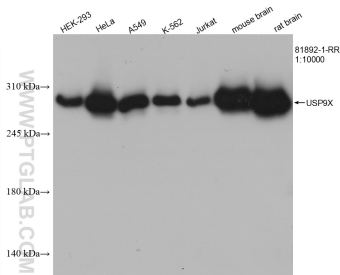
WB result of USP9X antibody (81892-1-RR; 1:3000; incubated at room temperature for 1.5 hours) with sh-Control and sh-USP9X transfected HEK-293 cells.



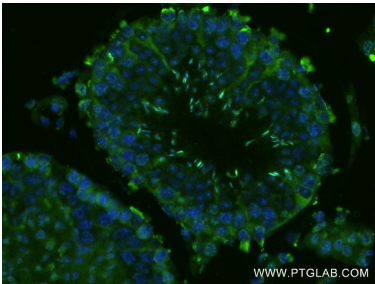
IP result of anti-USP9X (IP:81892-1-RR, 4ug; Detection:81892-1-RR 1:3000) with HEK-293 cells lysate 1640 ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using USP9X antibody (81892-1-RR, Clone: 1823 ) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



HEK-293 cells were subjected to SDS PAGE followed by western blot with 81892-1-RR (USP9X antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse testis tissue using USP9X antibody (81892-1-RR, Clone: 1823 ) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).