

For Research Use Only

# CoraLite®594-conjugated USP9X Polyclonal antibody



Catalog Number: CL594-55054

Featured Product

## Basic Information

<b>Catalog Number:</b> CL594-55054	<b>GenBank Accession Number:</b> NM_001039590	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8239	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> ubiquitin specific peptidase 9, X- linked	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 292 kDa	
	<b>Observed MW:</b> 260-290 kDa	

## Applications

<b>Tested Applications:</b> FC (Intra), IF	<b>Positive Controls:</b> IF : HeLa cells,
<b>Species Specificity:</b> human, mouse, rat	

## 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

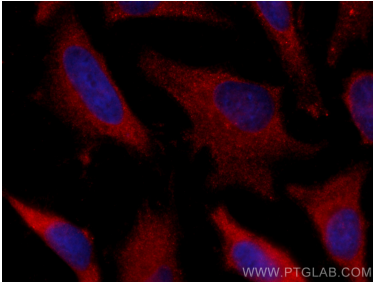
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

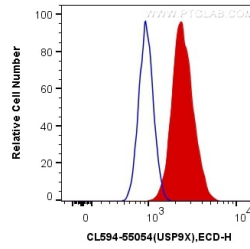
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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

## Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite®594 USP9X antibody (CL594-55054) at dilution of 1:200.



1X10<sup>6</sup> HeLa cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human USP9X (CL594-55054) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).