

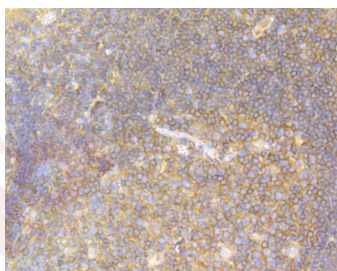
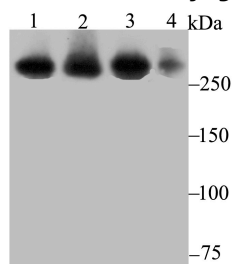
## Anti-USP9x Antibody (1N153)

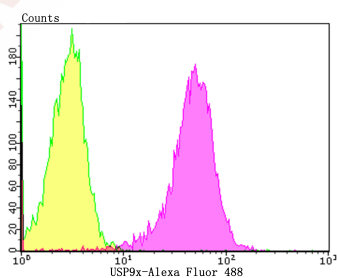
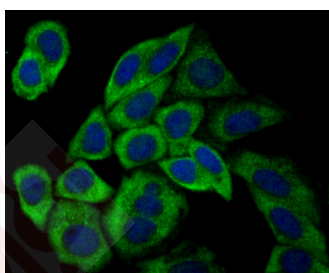
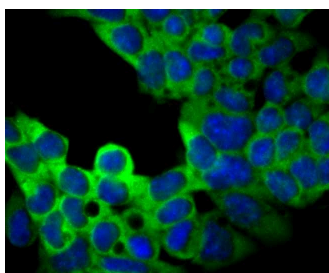
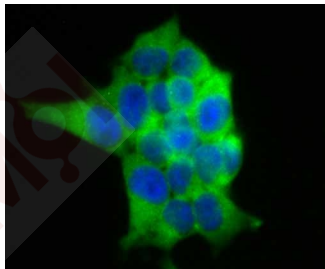
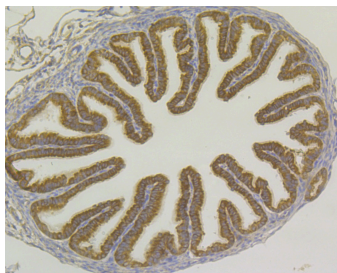
### Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 292 kDa.
Clone:	1N153
Purification:	ProA affinity purified

### Applications

1. Western blot analysis of USP9X on different lysates using anti-USP9X antibody at 1/1,000 dilution. Positive control: Lane 1: SiHa, Lane 2: A549, Lane 3: 293, Lane 4: Mouse colon.
2. Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-USP9X antibody. Counter stained with hematoxylin. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 20 mins.
3. Immunohistochemical analysis of paraffin-embedded mouse fallopian tube tissue using anti-USP9X antibody. Counter stained with hematoxylin. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6) for 20 mins.
4. ICC staining USP9X in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
5. ICC staining USP9X in F9 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
6. ICC staining USP9X in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
7. Flow cytometric analysis of 293T cells with USP9X antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.





Application: FCM,ICC,IF,IHC,WB

Recommended WB: 1:1000-2000; IHC: 1:50-200; ICC: 1:50-200; FCM: 1:50-100

### Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen:	Recombinant Protein: human USP9X aa 1-200
Antigen Species:	Human
Uniprot ID:	Q93008
Synonyms:	DFFRX;Fat facets in mammals;Ubiquitin thiolesterase FAF X;X-linked;Deubiquitinating enzyme FAF X;Ubiquitin-specific-processing protease FAF-X;Fat facets protein-related;Ubiquitin-specific protease 9;Ubiquitin specific processing protease FAF X;Ubiquitin specific peptidase 9, X-linked;Uubiquitin specific protease 9, X chromosome (fat facets like Drosophila);Ubiquitin specific protease 9 X chromosome;Ubiquitin carboxyl-terminal hydrolase FAM;Drosophila fat facets related X linked;FAF;Fat facets protein related, X-linked;Fam;Fat facets protein related X linked;Fafl;Probable ubiquitin carboxyl-terminal hydrolase FAF-X;MRX99;X chromosome;Ubiquitin thioesterase FAF X;USP9X_HUMAN;Fat facets homolog;USP9 (gene name);Ubiquitin thiolesterase FAF-X;Deubiquitinating enzyme FAF-X;Probable ubiquitin carboxyl terminal hydrolase FAF X;Ubiquitin specific peptidase 9 X linked;hFAM;Usp9x;USP 9x

### Research Background

Deubiquitinase involved both in the processing of ubiquitin precursors and of ubiquitinated proteins. May therefore play an important regulatory role at the level of protein turnover by preventing degradation of proteins through the removal of conjugated ubiquitin. Specifically hydrolyzes 'Lys-48', 'Lys-29' and 'Lys-33'-linked polyubiquitins chains. Essential component of TGF-beta/BMP signaling cascade. Specifically deubiquitinates monoubiquitinated SMAD4, opposing the activity of E3 ubiquitin-protein ligase TRIM33. Deubiquitinates alkylation repair enzyme ALKBH3. OTUD4 recruits USP7 and USP9X to stabilize ALKBH3, thereby promoting the repair of alkylated DNA lesions. Regulates chromosome alignment and segregation in mitosis by regulating the localization of BIRC5/survivin to mitotic centromeres. Involved in axonal growth and neuronal cell migration.

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