

**Product Name: KD-Validated USP9X Recombinant Rabbit Monoclonal Antibody**  
**Catalog #: KVA01765**

For research use only.

## Summary

|                     |                                                                             |
|---------------------|-----------------------------------------------------------------------------|
| <b>Description</b>  | KO&KD-Validated antibody                                                    |
| <b>Host</b>         | Rabbit                                                                      |
| <b>Application</b>  | WB,FCM,ICC                                                                  |
| <b>Reactivity</b>   | Human,Mouse,Rat                                                             |
| <b>Conjugation</b>  | Unconjugated                                                                |
| <b>Modification</b> | Unmodified                                                                  |
| <b>Isotype</b>      | Rabbit IgG                                                                  |
| <b>Clonality</b>    | Rabbit mAb                                                                  |
| <b>Form</b>         | Liquid                                                                      |
| <b>Storage</b>      | Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles. |
| <b>Shipping</b>     | Ice bags                                                                    |
| <b>Buffer</b>       | Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.   |
| <b>Purification</b> | Affinity purification                                                       |

## Application

|                         |                                                         |
|-------------------------|---------------------------------------------------------|
| <b>Dilution Ratio</b>   | WB 1:1,000-1:5,000; FC 1:200-1:2,000; ICC 1:100-1:1,000 |
| <b>Molecular Weight</b> | Calculated MW: 290.5kDa                                 |

## Antigen Information

|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>         | USP9X<br>USP9X; Ubiquitin Specific Peptidase 9 X-Linked; DFFRX; MRX99; FAF; Ubiquitin Specific Protease 9, X Chromosome (Fat Facets-Like Drosophila); Probable Ubiquitin Carboxyl-Terminal Hydrolase FAF-X; Ubiquitin-Specific Protease 9, X Chromosome; Deubiquitinating Enzyme FAF-X; Ubiquitin Thioesterase FAF-X; Fat Facets In Mammals; HFAM; FAM; Ubiquitin                                                                     |
| <b>Alternative Names</b> | Specific Peptidase 9, X-Linked (Fat Facets-Like, Drosophila); Ubiquitin Specific Protease 9, X-Linked (Fat Facets-Like, Drosophila); Ubiquitin-Specific Processing Protease FAF-X; Ubiquitin-Specific-Processing Protease FAF-X; Drosophila Fat Facets Related, X-Linked; Fat Facets Protein Related, X-Linked; Fat Facets Protein-Related, X-Linked; Ubiquitin Thiolesterase FAF-X; EC 3.4.19.12; EC 3.1.2.15; MRXS99F; XLID99; USP9 |
| <b>Gene ID</b>           | 8239.0                                                                                                                                                                                                                                                                                                                                                                                                                                |

**SwissProt ID** Q93008  
**Immunogen** A synthesized peptide derived from human USP9x

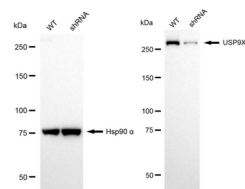
## Background

This gene is a member of the peptidase C19 family and encodes a protein that is similar to ubiquitin-specific proteases. Though this gene is located on the X chromosome, it escapes X-inactivation. Mutations in this gene have been associated with Turner syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

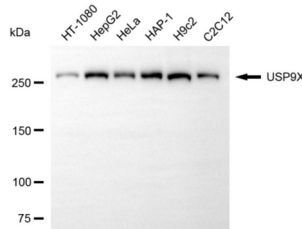
## Research Area

Cell Biology, Neuroscience, Epigenetics and Nuclear Signaling

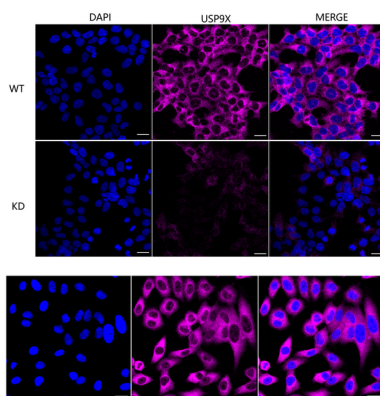
## Image Data



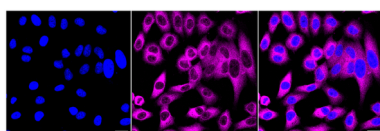
Western blotting analysis using USP9X antibody (KVA01765). USP9X expression in wild-type (WT) and USP9X shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with USP9X antibody (KVA01765, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



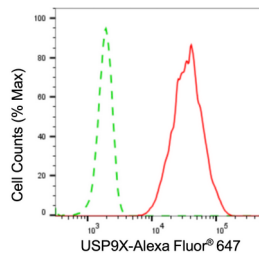
Western blotting analysis using USP9X antibody (KVA01765). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with USP9X antibody (KVA01765, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells using USP9X antibody (KVA01765, 1:1,000). Top panel: wild-type (WT); Bottom panel: USP9X shRNA knockdown (KD). Nuclei were stained blue with DAPI; USP9X was stained magenta with Alexa Fluor® 647. Scale bar, 20 µm.



Immunocytochemical staining of HepG2 cells with USP9X antibody (KVA01765, 1:1,000). Nuclei were stained blue with DAPI; USP9X was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser intensity and smart gain: High. Scale bar: 20 µm.



Flow cytometric analysis of USP9X expression in HepG2 cells using USP9X antibody (KVA01765, 1:2,000). Green, isotype control; red, USP9X.