



USP9X mouse mAb

Catalog No	YP-mAb-17913
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	USP9X DFFRX FAM USP9
Immunogen	Synthesized peptide derived from human USP9X
Specificity	This antibody detects endogenous levels of USP9X at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Deubiquitinating enzyme FAF-X;DFFRX;EC:3.4.19.12;FAF;FAM;USP9X;USP9X DFFRX FAM USP9;Probable ubiquitin carboxyl-terminal hydrolase FAF-X (EC 3.4.19.12) (Deubiquitinating enzyme FAF-X) (Fat facets in mammals) (hFAM) (Fat facets protein-related;X-linked) (Ubiquitin thioesterase FAF-X); X-linked) (Ubiquitin thioesterase FAF-X)
Observed Band	260-290 kDa
Calculated Molecular Weight	292 kDa
Cell Pathway	Cytoplasm . Cell projection, growth cone . Cytoplasm, cytoskeleton, cilium axoneme .
Tissue Specificity	Widely expressed in embryonic and adult tissues.
Function	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-63'-, '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 . Deubiquitinates mTORC2 complex component RICTOR at 'Lys-294' by removing 'Lys-63'-linked polyubiquitin chains, stabilizing RICTOR and enhancing its binding to MTOR, thus promoting mTORC2 complex assembly

Background

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images