

DATASHEET

USP9X Rabbit Polyclonal Antibody

CAT. NO. APA17269

KEY FEATURES

Target	USP9X	Source / Host	Rabbit
Reactivity	Human, Mouse, Rat	Clonality	Polyclonal
Applications	WB	Conjugation	Unconjugated
Form / Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.		Storage at -20°C

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-11'-, followed by 'Lys-63'-, 'Lys-48'- and 'Lys-6'-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 RNA demethylase enzyme ALKBH5, promoting its stability .

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

WB	1:500 - 1:2000
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*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

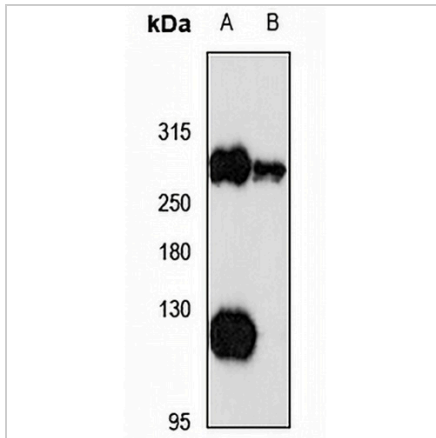
Description	Rabbit polyclonal antibody to USP9X
Specificity	Recognizes endogenous levels of USP9X protein
Antibody Type	Primary antibody
Immunogen	KLH-conjugated synthetic peptide of human USP9X. The exact sequence is proprietary.
Purification	The antibody was purified by immunogen affinity chromatography.
Molecular Weight	Predicted: 290; Observed: 292 kD
Form/Buffer	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Alternative Names	DFFRX; FAM; USP9; Probable ubiquitin carboxyl-terminal hydrolase FAF-X; Deubiquitinating enzyme FAF-X; Fat facets in mammals; hFAM; Fat facets protein-related X-linked; Ubiquitin thioesterase FAF-X; Ubiquitin-specific protease 9 X chromosome; Ubiquitin-specific-processing protease FAF-X
Gene Symbol	USP9X
Entrez Gene	8239(Human); 22284(Mouse)
SwissProt	Q93008(Human); P70398(Mouse)

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

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DATA

Western blot analysis of USP9X expression in C6 (A), mouse brain (B) whole cell lysates.
(Predicted band size: 290; 292 kD; Observed band size: 292 kD)

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.