

# Product Datasheet

## USP9x Antibody (1C4) - Azide and BSA Free H00008239-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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**H00008239-M01**

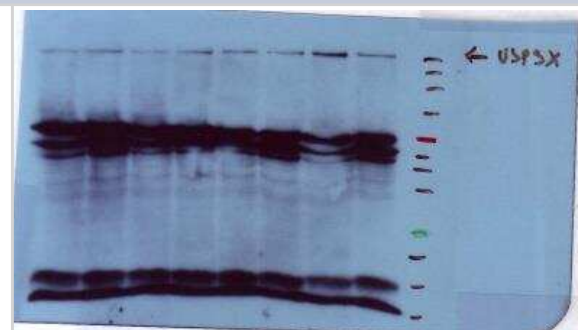
USP9x Antibody (1C4) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1C4
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	8239
Gene Symbol	USP9X
Species	Human
Specificity/Sensitivity	USP9X - ubiquitin specific peptidase 9, X-linked (fat facets-like, Drosophila)
Immunogen	USP9X (NP_068706, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. MTATTRGSPVGGNDNQGGAPDGQSQPPLQQNQTSPPDSSNENSPATPPDEQ GQGDAPPQLEDEEPAFPHTDLAKLDDMINRPRWVVPVLP
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IF and ELISA. Use in Immunohistochemistry-paraffin reported in scientific literature (PMID: 20023629).

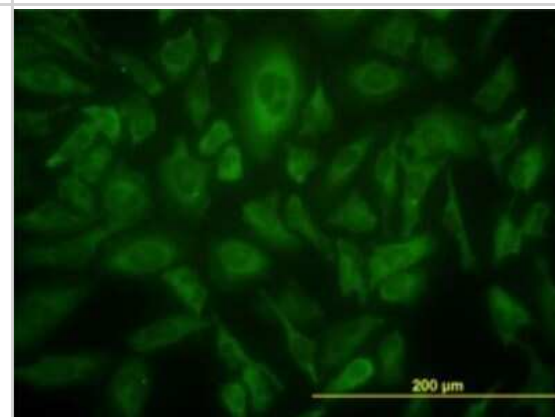


## Images

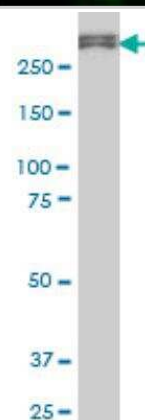
Western Blot: USP9x Antibody (1C4) [H00008239-M01] - USP9x in mouse ovarian cancer cell lysate using anti-USP9x antibody. The primary antibody was used at a dilution of 1:500 and incubated for overnight at 4C in 5% milk with PBST. Image from verified customer review.



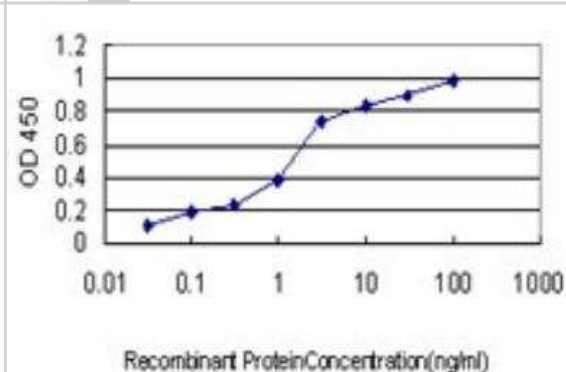
Immunocytochemistry/Immunofluorescence: USP9x Antibody (1C4) [H00008239-M01] - Analysis of monoclonal antibody to USP9X on HeLa cell. Antibody concentration 10 ug/ml.



Western Blot: USP9x Antibody (1C4) [H00008239-M01] - USP9X expression in Hela NE ( Cat # L013V3 ).



ELISA: USP9x Antibody (1C4) [H00008239-M01] - Detection limit for recombinant GST tagged USP9X is approximately 0.1ng/ml as a capture antibody.



## Publications

Hwang D, Kim M, Kim S Et al. AMOTL2 mono-ubiquitination by WWP1 promotes contact inhibition by facilitating LATS activation Life science alliance 2021-10-01 [PMID: 34404733]

Kaixin W, Seon W, Taeg K et al. The Histone Lysine-specific Demethylase 1 Inhibitor, SP2509 Exerts Cytotoxic Effects against Renal Cancer Cells through Downregulation of Bcl-2 and Mcl-1. J Cancer Prev. 2020-06-30 [PMID: 32647649]

Naiara P, Rebecca L, Rachel D et al. USP9X mediates an acute adaptive response to MAPK suppression in pancreatic cancer but creates multiple actionable therapeutic vulnerabilities. Cell Rep Med. 2023-04-07 [PMID: 37030295]

SA Shahriyar, SU Seo, KJ Min, P Kubatka, DS Min, JS Chang, DE Kim, SM Woo, TK Kwon Upregulation of DR5 and Downregulation of Survivin by IITZ-01, Lysosomotropic Autophagy Inhibitor, Potentiates TRAIL-Mediated Apoptosis in Renal Cancer Cells via Ubiquitin-Proteasome Pathway Cancers (Basel), 2020-08-21;12(9):. 2020-08-21 [PMID: 32825566]

Wolfspurger F, Hogh-Binder SA, Schittenhelm J et al. Deubiquitylating enzyme USP9x regulates radiosensitivity in glioblastoma cells by Mcl-1-dependent and -independent mechanisms. Cell Death Dis 2016-01-14 [PMID: 26775694] (WB)

Hikita H, Takehara T, Shimizu S et al. The Bcl-xL inhibitor, ABT-737, efficiently induces apoptosis and suppresses growth of hepatoma cells in combination with sorafenib. Hepatology. 2010-01-01 [PMID: 20799354]

Mazumder S, Choudhary GS, Al-Harbi S, Almasan A. Mcl-1 phosphorylation defines ABT-737 resistance that can be overcome by increased NOXA expression in leukemic B-cells. Cancer Res. 2012-04-23 [PMID: 22525702]

Trivigno D, Essmann F, Huber SM, Rudner J. Deubiquitinase USP9x Confers Radioresistance through Stabilization of Mcl-1. Neoplasia. 2012-10-01 [PMID: 23097624]

Wang B, Xie M, Li R et al. Role of Ku70 in deubiquitination of Mcl-1 and suppression of apoptosis. Cell Death Differ. 2014-04-25 [PMID: 24769731]

Kim M, Kim M, Park SJ et al. Role of Angiomotin-like 2 mono-ubiquitination on YAP inhibition. EMBO Rep 2015-11-23 [PMID: 26598551]

Schwickart M, Huang X, Lill JR et al. Deubiquitinase USP9X stabilizes MCL1 and promotes tumour cell survival. Nature. 2010-01-07 [PMID: 20023629] (IHC-P, Human)





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### **Products Related to H00008239-M01**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
210-TA-005	TNF-alpha [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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