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USP9X Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant USP9X.
Catalog # AT4497a

Product Information

Application	WB, IF, E
Primary Accession	Q93008
Other Accession	NM_021906
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1C4
Calculated MW	290463

Additional Information

Gene ID	8239
Other Names	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, USP9X, DFFRX, FAM, USP9
Target/Specificity	USP9X (NP_068706, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	USP9X Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

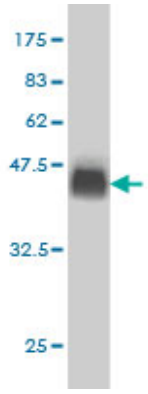
Background

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]

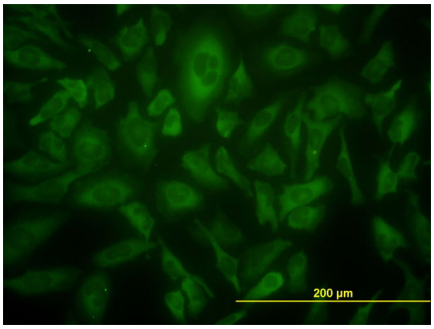
References

1.Role of Ku70 in deubiquitination of Mcl-1 and suppression of apoptosis.Wang B, Xie M, Li R, Owonikoko TK, Ramalingam SS, Khuri FR, Curran WJ, Wang Y, Deng XCell Death Differ. 2014 Apr 25. doi: 10.1038/cdd.2014.42.2.Deubiquitinase USP9x Confers Radioresistance through Stabilization of Mcl-1.Trivigno D, Essmann F, Huber SM, Rudner J.Neoplasia. 2012 Oct;14(10):893-904.3.Mcl-1 phosphorylation defines ABT-737 resistance that can be overcome by increased NOXA expression in leukemic B-cells.Mazumder S, Choudhary GS, Al-Harbi S, Almasan A.Cancer Res. 2012 Apr 23.4.The Bcl-xL inhibitor, ABT-737, efficiently induces apoptosis and suppresses growth of hepatoma cells in combination with sorafenib.Hikita H, Takehara T, Shimizu S, Kodama T, Shigekawa M, Iwase K, Hosui A, Miyagi T, Tatsumi T, Ishida H, Li W, Kanto T, Hiramatsu N, Hayashi N.Hepatology (2010) DOI: 10.1002/ hep.23836

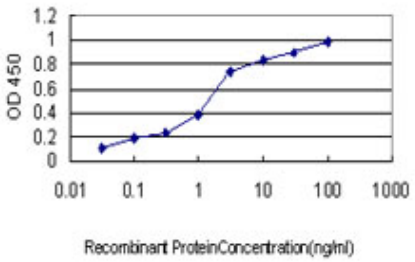
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .



Immunofluorescence of monoclonal antibody to USP9X on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged USP9X is approximately 0.1ng/ml as a capture antibody.

Citations

- Dystrobrevin recruits Grb2 and α-catulin to organize neurotransmitter receptors at the neuromuscular junction.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.