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OTUB1 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a full-length recombinant OTUB1.
Catalog # AT3158a

Product Information

Application	WB, E
Primary Accession	Q96FW1
Other Accession	BC007519
Reactivity	Human
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C12
Calculated MW	31284

Additional Information

Gene ID	55611
Other Names	Ubiquitin thioesterase OTUB1, Deubiquitinating enzyme OTUB1, OTU domain-containing ubiquitin aldehyde-binding protein 1, Otubain-1, hOTU1, Ubiquitin-specific-processing protease OTUB1, OTUB1, OTB1, OTU1
Target/Specificity	OTUB1 (AAH07519, 1 a.a. ~ 271 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 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	OTUB1 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

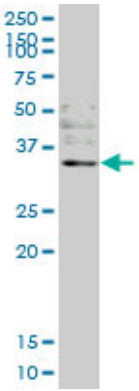
Background

The product of this gene is a member of the OTU (ovarian tumor) superfamily of predicted cysteine proteases. The encoded protein is a highly specific ubiquitin iso-peptidase, and cleaves ubiquitin from branched poly-ubiquitin chains but not from ubiquitinated substrates. It interacts with another ubiquitin protease and an E3 ubiquitin ligase that inhibits cytokine gene transcription in the immune system. It is proposed to function in specific ubiquitin-dependent pathways, possibly by providing an editing function for polyubiquitin chain growth. Alternative splicing results in multiple transcript variants.

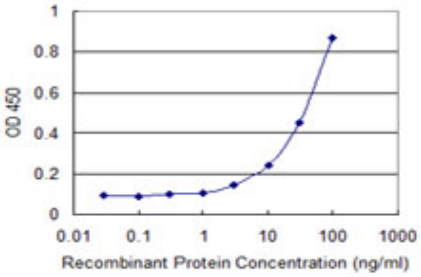
References

1.Post-translational modification of the deubiquitinating enzyme otubain 1 modulates active RhoA levels and susceptibility to Yersinia invasion.Edelmann MJ, Kramer HB, Altun M, Kessler BM.FEBS J. 2010 Jun;277(11):2515-30.

Images



OTUB1 monoclonal antibody (M09), clone 1C12. Western Blot analysis of OTUB1 expression in Hela S3 NE (Cat # L013V3).



Detection limit for recombinant GST tagged OTUB1 is 1 ng/ml as a capture antibody.

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