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RNF40 Antibody (monoclonal) (M09)

Mouse monoclonal antibody raised against a partial recombinant RNF40.
Catalog # AT3676a

Product Information

Application	WB, IF, E
Primary Accession	O75150
Other Accession	NM_014771
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1C1
Calculated MW	113678

Additional Information

Gene ID	9810
Other Names	E3 ubiquitin-protein ligase BRE1B, BRE1-B, 632-, 95 kDa retinoblastoma-associated protein, RBP95, RING finger protein 40, RNF40, BRE1B, KIAA0661
Target/Specificity	RNF40 (NP_055586, 102 a.a. ~ 200 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	RNF40 Antibody (monoclonal) (M09) is for research use only and not for use in diagnostic or therapeutic procedures.

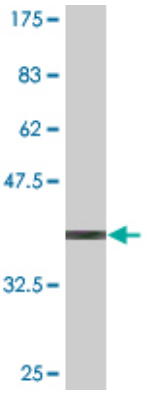
Background

The protein encoded by this gene contains a RING finger, a motif known to be involved in protein-protein and protein-DNA interactions. This protein was reported to interact with the tumor suppressor protein RB1. Studies of the rat counterpart suggested that this protein may function as an E3 ubiquitin-protein ligase, and facilitate the ubiquitination and degradation of syntaxin 1, which is an essential component of the neurotransmitter release machinery.

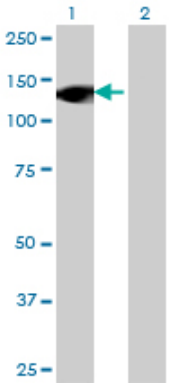
References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.RAD6-Mediated transcription-coupled H2B ubiquitylation directly stimulates H3K4 methylation in human cells. Kim J, et al. Cell, 2009 May 1. PMID 19410543.Global, in vivo, and site-specific phosphorylation dynamics in signaling networks. Olsen JV, et al. Cell, 2006 Nov 3. PMID 17081983.Monoubiquitination of human histone H2B: the factors involved and their roles in HOX gene regulation. Zhu B, et al. Mol Cell, 2005 Nov 23. PMID 16307923.Signal sequence and keyword trap in silico for selection of full-length human cDNAs encoding secretion or membrane proteins from oligo-capped cDNA libraries. Otsuki T, et al. DNA Res, 2005. PMID 16303743.

Images

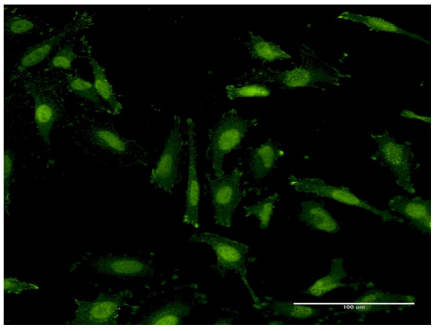


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.63 KDa) .

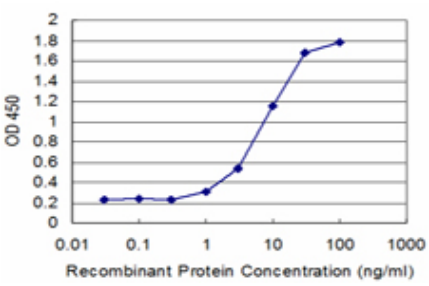


Western Blot analysis of RNF40 expression in transfected 293T cell line by RNF40 monoclonal antibody (M09), clone 1C1.

Lane 1: RNF40 transfected lysate(113.7 KDa).
Lane 2: Non-transfected lysate.



Immunofluorescence of monoclonal antibody to RNF40 on HeLa cell . [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged RNF40 is approximately 1ng/ml as a capture antibody.

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