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FBXO42 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant FBXO42.
Catalog # AT2020a

Product Information

Application	WB
Primary Accession	Q6P3S6
Other Accession	NM_018994
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	2F10
Calculated MW	77839

Additional Information

Gene ID	54455
Other Names	F-box only protein 42, Just one F-box and Kelch domain-containing protein, FBXO42, FBX42, JFK, KIAA1332
Target/Specificity	FBXO42 (NP_061867, 619 a.a. ~ 717 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	FBXO42 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

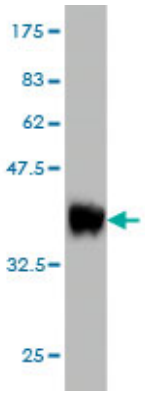
Members of the F-box protein family, such as FBXO42, are characterized by an approximately 40-amino acid F-box motif. SCF complexes, formed by SKP1 (MIM 601434), cullin (see CUL1; MIM 603134), and F-box proteins, act as protein-ubiquitin ligases. F-box proteins interact with SKP1 through the F box, and they interact with ubiquitination targets through other protein interaction domains (Jin et al., 2004 [PubMed 15520277]).

References

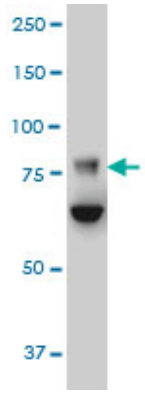
JFK, a Kelch domain-containing F-box protein, links the SCF complex to p53 regulation. Sun L, et al. Proc Natl

Acad Sci U S A, 2009 Jun 23. PMID 19509332.The DNA sequence and biological annotation of human chromosome 1. Gregory SG, et al. Nature, 2006 May 18. PMID 16710414.Systematic analysis and nomenclature of mammalian F-box proteins. Jin J, et al. Genes Dev, 2004 Nov 1. PMID 15520277.The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334.Complete sequencing and characterization of 21,243 full-length human cDNAs. Ota T, et al. Nat Genet, 2004 Jan. PMID 14702039.

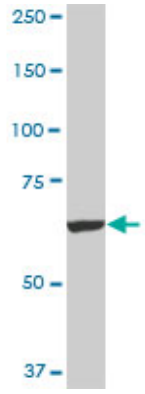
Images



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



FBXO42 monoclonal antibody (M02), clone 2F10 Western Blot analysis of FBXO42 expression in HeLa ((Cat # AT2020a)



FBXO42 monoclonal antibody (M02), clone 2F10. Western Blot analysis of FBXO42 expression in PC-12((Cat # AT2020a)

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