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FBXO22 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant FBXO22.
Catalog # AT2017a

Product Information

Application	WB, E
Primary Accession	Q8NEZ5
Other Accession	BC039024
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	6G9
Calculated MW	44508

Additional Information

Gene ID	26263
Other Names	F-box only protein 22, F-box protein FBX22p44, FBXO22, FBX22
Target/Specificity	FBXO22 (AAH39024, 1 a.a. ~ 299 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	FBXO22 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

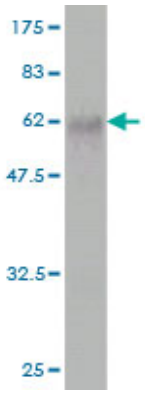
Background

This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class. Two transcript variants encoding different isoforms exist for this gene.

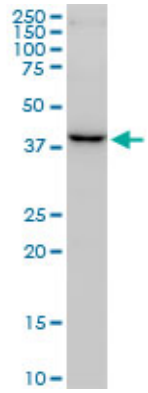
References

Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732.FIST: a sensory domain for diverse signal transduction pathways in prokaryotes and ubiquitin signaling in eukaryotes. Borziak K, et al. Bioinformatics, 2007 Oct 1. PMID 17855421.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.CUL7: A DOC domain-containing cullin selectively binds Skp1.Fbx29 to form an SCF-like complex. Dias DC, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12481031.

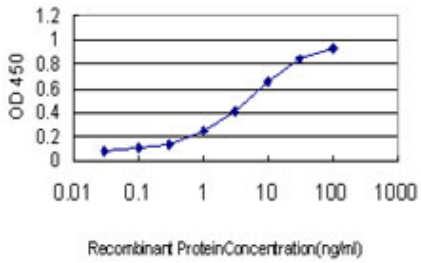
Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (58.63 KDa) .



FBXO22 monoclonal antibody (M01), clone 6G9 Western Blot analysis of FBXO22 expression in Hela S3 NE ((Cat # AT2017a)



Detection limit for recombinant GST tagged FBXO22 is approximately 0.3ng/ml as a capture antibody.