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FBXO32 Antibody (N-Term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21940a

Product Information

Application	WB, E
Primary Accession	Q969P5
Other Accession	Q2KHT6, Q9CPU7, Q1A730, Q91Z62
Reactivity	Human, Rat
Predicted	Bovine, Mouse, Pig, Rat, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB54418
Calculated MW	41637

Additional Information

Gene ID	114907
Other Names	F-box only protein 32, Atrogin-1, Muscle atrophy F-box protein, MAFbx, FBXO32
Target/Specificity	This FBXO32 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 17-49 amino acids from human FBXO32.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	FBXO32 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	FBXO32
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes

	and binds to phosphorylated target proteins during skeletal muscle atrophy. Recognizes TERF1. Negatively regulates macrophage efferocytosis by promoting the ubiquitination of the transcription factor KLF4, suppressing the receptor tyrosine kinase MERTK transcription (By similarity). Regulates LPS-induced apoptosis and mitochondrial dysfunction through ANXA1 ubiquitination and degradation (By similarity). Mediates cyclin D1 protein stabilization via 'Lys-27'-linked ubiquitination (PubMed:40307251).
Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between cytoplasm and the nucleus
Tissue Location	Specifically expressed in cardiac and skeletal muscle

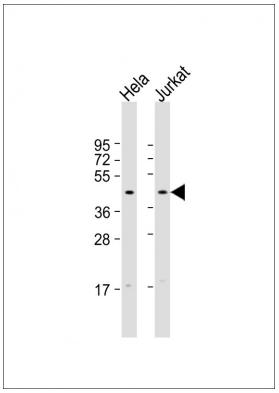
Background

Substrate recognition component of a SCF (SKP1-CUL1-F- box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy. Recognizes TERF1.

References

Bodine S.C.,et al.Science 294:1704-1708(2001).
Sivertsen E.A.,et al.Submitted (NOV-2001) to the EMBL/GenBank/DDBJ databases.
Pescatori M.,et al.Submitted (NOV-2006) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Nusbaum C.,et al.Nature 439:331-335(2006).

Images



All lanes : Anti-FBXO32 Antibody (N-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: Jurkat whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 42 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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