

For Research Use Only

FBXO32 Monoclonal antibody

Catalog Number: 67172-1-Ig **28 Publications**



Basic Information

Catalog Number: 67172-1-Ig	GenBank Accession Number: BC024030	Purification Method: Protein A purification
Size: 150ul , Concentration: 1500 µg/ml by Nanodrop;	GeneID (NCBI): 114907	CloneNo.: 3C2G3
Source: Mouse	UNIPROT ID: Q969P5	Recommended Dilutions: WB 1:10000-1:50000 IHC 1:2000-1:8000 IF 1:50-1:500
Isotype: IgG2b	Full Name: F-box protein 32	
Immunogen Catalog Number: AG25247	Calculated MW: 355 aa, 42 kDa	
	Observed MW: 42 kDa	

Applications

Tested Applications:
WB, IF, IHC, ELISA

Cited Applications:
WB, IP, IF, IHC

Species Specificity:
Human, Pig, Rat, mouse

Cited Species:
human, rat, mouse, pig, canine

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse skeletal muscle tissue, human heart tissue, pig heart tissue, pig skeletal muscle tissue, Rabbit skeletal muscle tissue

IHC : mouse skeletal muscle tissue, rat skeletal muscle tissue

IF : mouse skeletal muscle tissue,

Background Information

FBXO32 (F box only protein 32), also known as Atrogin 1 or MAFbx, is a member of the F-box protein family which is characterized by an approximately 40 amino acid motif F-box. This protein is an E3 ubiquitin ligase that is markedly up-regulated in muscle atrophy. FBXO32 is thus a potential drug target for the treatment of muscle atrophy. Some data support that FBXO32 may play an important role in tumorigenesis. Recent study reveal that FBXO32 targets the oncogenic protein c-Myc for ubiquitination and degradation through the proteasome pathway.

Notable Publications

Author	Pubmed ID	Journal	Application
Lea Hildebrandt	36143454	Life (Basel)	IHC
Yoichiro Kamada	34687403	J Muscle Res Cell Motil	WB
Jie Xu	36233342	Int J Mol Sci	WB,IHC,IP

Storage

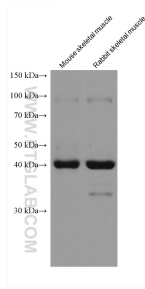
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

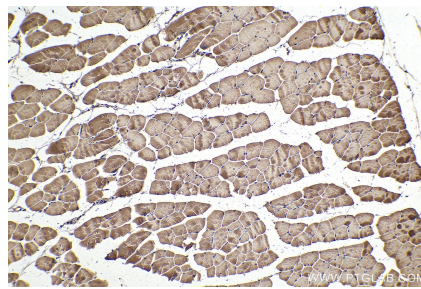
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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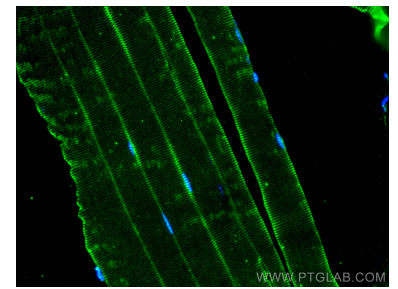
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67172-1-Ig (FBXO32 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67172-1-Ig (FBXO32 antibody) at dilution of 1:4000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using FBXO32 antibody (67172-1-Ig, Clone: 3C2G3) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).