

# FBXO32 Monoclonal antibody, PBS Only

Catalog Number: 67172-1-PBS

## Basic Information

Catalog Number:	67172-1-PBS	GenBank Accession Number:	BC024030	Purification Method:	Protein A purification
Size:	1 mg/ml	GeneID (NCBI):	114907	CloneNo.:	3C2G3
Source:	Mouse	UNIPROT ID:	Q969P5		
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, Indirect ELISA, IHC, IF

**Species Specificity:**  
Human, Pig, Rat, mouse

## 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.

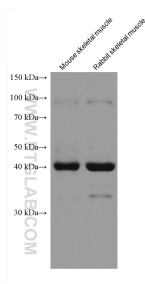
## Storage

**Storage:**  
Store at -80°C.

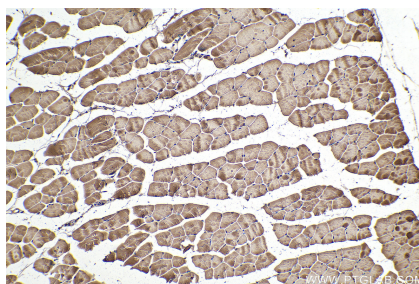
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS Only

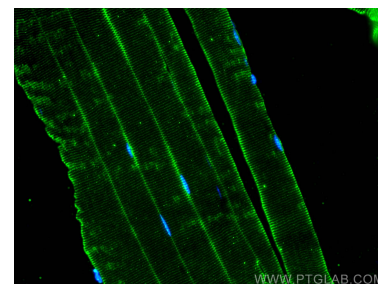
## Selected Validation Data



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. This data was developed using the same antibody clone with 67172-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67172-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67172-1-PBS in a different storage buffer formulation.