

## FBXO32 Monoclonal antibody

Catalog Number: 67172-1-Ig 41 Publications

## Basic Information

Catalog Number:

67172-1-Ig

Concentration:

1500 µg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG25247

GenBank Accession Number:

BC024030

GeneID (NCBI):

114907

UNIPROT ID:

Q969P5

Full Name:

F-box protein 32

Calculated MW:

355 aa, 42 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

3C2G3

Recommended Dilutions:

WB 1:10000-1:50000

IHC 1:2000-1:8000

IF-P 1:50-1:500

## Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF, IP

Species Specificity:

Human, Pig, Rat, mouse

Cited Species:

human, mouse, rat, 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-P** : 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, pH7.3

Aliquoting is unnecessary for -20°C storage

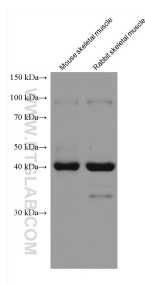
For technical support and original validation data for this product please contact:

T: 4006900926

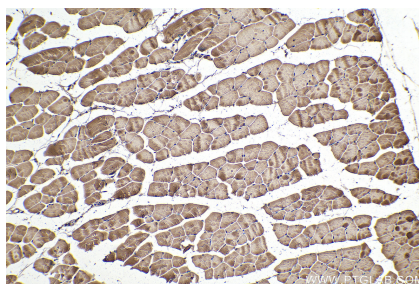
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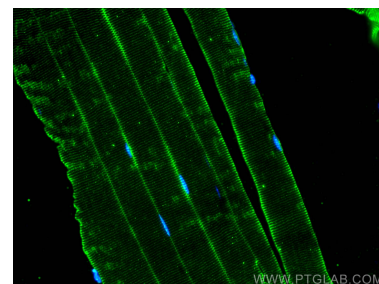
## Selected Validation Data



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 Goat Anti-Mouse IgG(H+L).