

For Research Use Only

# CoraLite® Plus 488-conjugated FBXO32 Monoclonal antibody



Catalog Number: **CL488-67172**

## Basic Information

Catalog Number:

CL488-67172

Size:

1000 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:

IF-P 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF-P

Species Specificity:

Human, mouse

Positive Controls:

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.

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

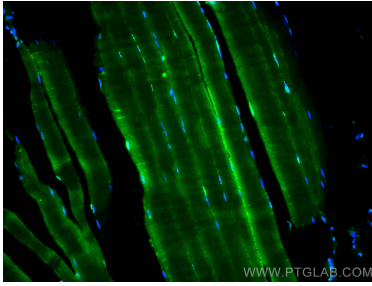
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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse skeletal muscle tissue using CoraLite® Plus 488 FBXO32 antibody (CL488-67172, Clone: 3C2G3 ) at dilution of 1:200.