CoraLite® Plus 488-conjugated FBXO32 Monoclonal antibody

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Antibodies | ELISA kits | Proteins

Catalog Number:CL488-67172

Basic Information

Catalog Number:
CL488-67172

Size:
100ul , Concentration: 1000 μg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG2b

Immunogen Catalog Number:
AG25247

GenBank Accession Number:
BC024030

GeneID (NCBI):
114907

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 1:50-1:500

Excitation/Emission maxima wavelengths:
493 nm / 522 nm

Applications

Tested Applications:
IF

Species Specificity:
Human, Pig, Rat

Positive Controls:

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.
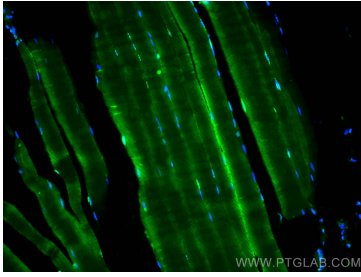
Storage

Storage:
Store at -20℃. 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

*** 20ul sizes contain 0.1%BSA

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.