

# FBXO32 Recombinant antibody

Catalog Number: 82941-1-RR

## Basic Information

Catalog Number:	82941-1-RR	GenBank Accession Number:	BC024030	Purification Method:	Protein A purification
Size:	1000 ug/ml	GeneID (NCBI):	114907	CloneNo.:	230243H7
Source:	Rabbit	UNIPROT ID:	Q969P5	Recommended Dilutions:	IHC 1:50-1:500 IF/ICC 1:125-1:500
Isotype:	IgG	Full Name:	F-box protein 32		
Immunogen Catalog Number:	AG29394	Calculated MW:	355 aa, 42 kDa		

## Applications

Tested Applications:	IHC, IF/ICC, FC (Intra), ELISA	Positive Controls:	
Species Specificity:	human, mouse	IHC :	mouse skeletal muscle tissue,
		IF/ICC :	C2C12 cells,

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

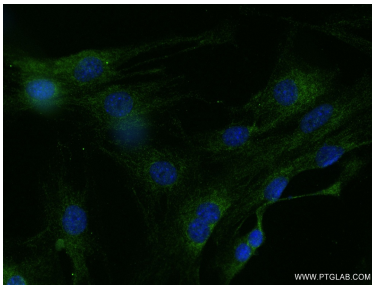
## Background Information

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.

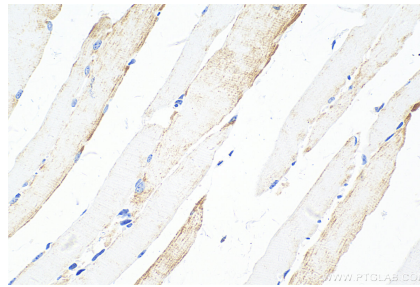
## Storage

**Storage:**  
Store at -20°C. 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

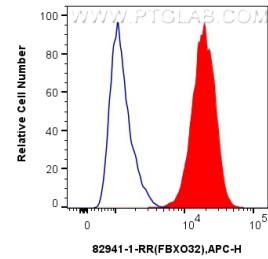
## Selected Validation Data



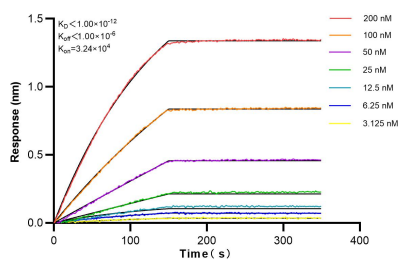
Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using FBXO32 antibody (82941-1-RR, Clone: 230243H7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 82941-1-RR (FBXO32 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1x10<sup>6</sup> U-251 cells were intracellularly stained with 0.25 ug Anti-Human FBXO32 (82941-1-RR, Clone:230243H7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.



Biolayer interferometry (BLI) kinetic assays of 82941-1-RR against Human FBXO32 were performed. The affinity constant is below 1 pM.