

For Research Use Only

FBXO32 Recombinant antibody, PBS Only

Catalog Number: 82941-1-PBS



Basic Information

Catalog Number: 82941-1-PBS	GenBank Accession Number: BC024030	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 114907	CloneNo.: 230243H7
Source: Rabbit	UNIPROT ID: Q969P5	
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), Indirect ELISA

Species Specificity:
human, 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

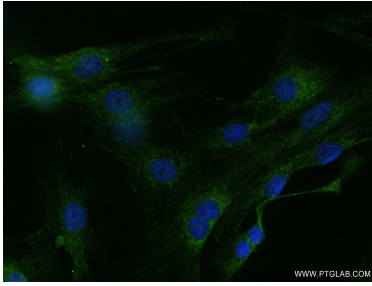
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

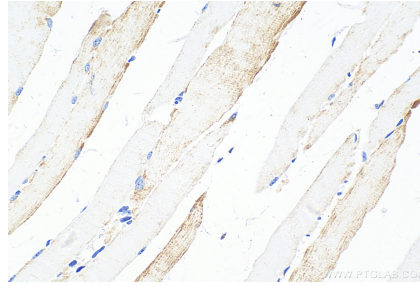
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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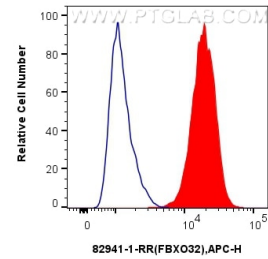
Selected Validation Data



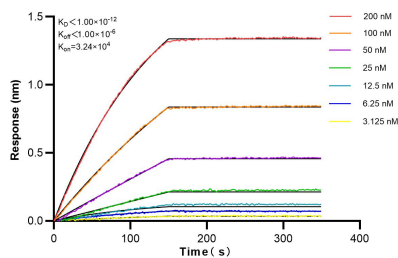
Immunofluorescent analysis of (4% PFA) fixed C2C12 cells using FBXO32 antibody (82941-1-RR, Clone: 230243H7) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 82941-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 82941-1-PBS in a different storage buffer formulation.



1×10^6 U-251 cells were intracellularly stained with 0.25 μ g Anti-Human FBXO32 (82941-1-RR, Clone:230243H7) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g Rabbit IgG control Rabbit PolyAb (30000-0-AP) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set. This data was developed using the same antibody clone with 82941-1-PBS in a different storage buffer formulation.



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