



FBX32 Rabbit mAb

Catalog No	YP-rAb-17366
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IF,ELISA
Gene Name	FBXO32
Protein Name	FBX32
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000;
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15 ° C to -25 ° C/1 year(Do not lower than -25 ° C)
Synonyms	FBX32;F-box only protein 32 ; Atrogin-1 ; Muscle atrophy F-box protein ; MAFbx ;FBXO32
Observed Band	42kD
Calculated Molecular Weight	42kD
Cell Pathway	Cytoplasm . Nucleus . Shuttles between cytoplasm and the nucleus.
Tissue Specificity	Specifically expressed in cardiac and skeletal muscle.
Function	Substrate recognition component of a (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy . Recognizes TERF1.,pathway:Protein modification; protein ubiquitination.,similarity:Contains 1 F-box domain.,subunit:Part of the SCF (SKP1-CUL1-F-box) E3 ubiquitin-protein ligase complex SCF(FBXO32) formed of CUL1, SKP1A, RBX1 and FBXO32.,tissue specificity:Specifically expressed in cardiac and skeletal muscle.,
Background	This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination.



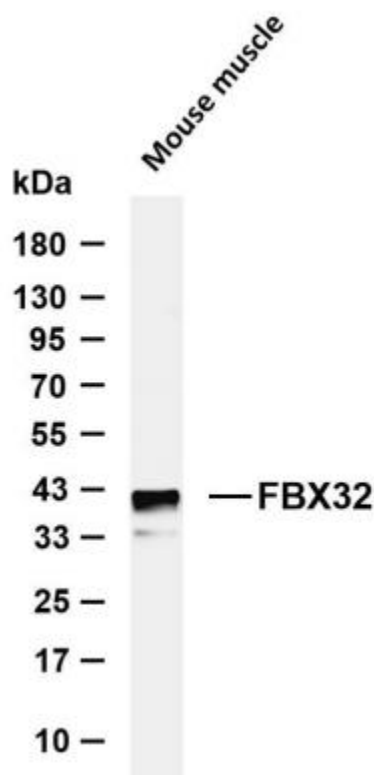
The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and contains an F-box domain. This protein is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. This protein is thus a potential drug target for the treatment of muscle atrophy. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011],

matters needing attention

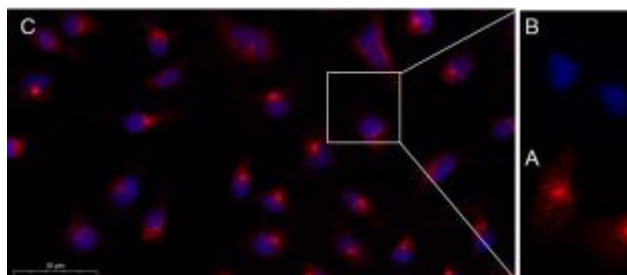
Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-FBX32 antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Mouse muscle Predicted band size: 42kDa Observed band size: 42kDa



Immunofluorescence analysis of HeLa . Picture A: FBX32 Rabbit mAb (red). Picture B: DAPI (blue). Picture C: Merge of A+B

