

## Product datasheet for **TA376162**

### **Fbx32 (FBXO32) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	ICC/IF, WB
Recommended Dilution:	WB, 1:500 - 1:1000 IF, 1:50 - 1:200
Reactivity:	Human, Mouse
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	A synthetic peptide of human Fbx32/FBOX32
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Avoid freeze / thaw cycles.   Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	30kDa/41kDa
Gene Name:	F-box protein 32
Database Link:	<a href="#">Entrez Gene 114907 Human Q969P5</a>



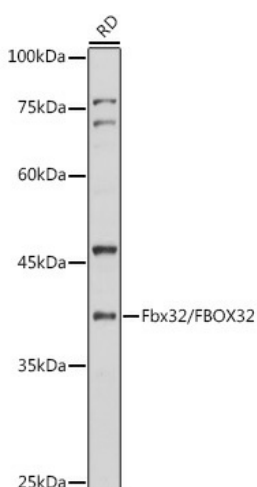
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**Background:**

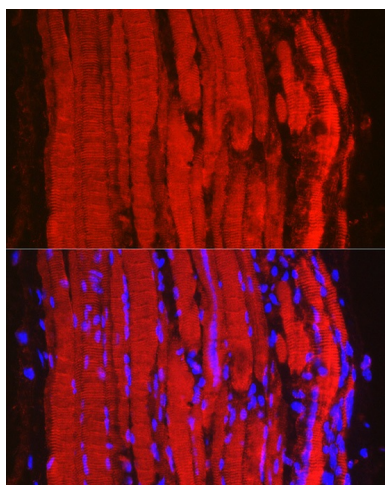
This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent 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.

**Synonyms:**

Atrogin-1; ATROGIN1; Fbx32; FLJ32424; MAFbx; MGC33610

**Product images:**

Western blot analysis of extracts of RD cells, using Fbx32/FBOX32 antibody (TA376162) at 1:1000 dilution. | Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. | Lysates/proteins: 25ug per lane. | Blocking buffer: 3% nonfat dry milk in TBST. | Detection: ECL Basic Kit . | Exposure time: 1s.



Immunofluorescence analysis of mouse skeletal muscle using Fbx32/FBOX32 Rabbit pAb (TA376162) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.