

**bs-2591R****[ Primary Antibody ]**

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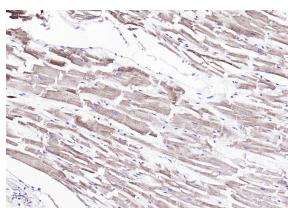
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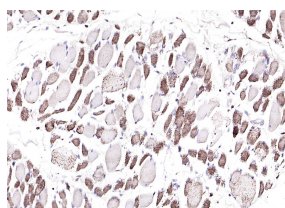
400-901-9800

**Fbx32 Rabbit pAb****— DATASHEET —**

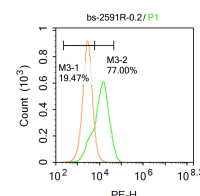
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (0.2ug/test)  <b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Dog, Horse)  <b>Predicted MW.:</b> 42 kDa  <b>Subcellular Location:</b> Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 114907	<b>SWISS:</b> Q969P5	
<b>Target:</b> Fbx32		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human MAFbx: 31-130/355.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> Fbx32 is an E3 ubiquitin ligase that initiates ATP dependent ubiquitin-mediated proteolysis and promotes muscle atrophy. It is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. It is also thought to recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation during skeletal muscle atrophy. Fbx32 interacts with MyoD by ubiquitination via a sequence found in transcriptional coactivators and therefore may play an important role in the course of muscle differentiation by determining the abundance of MyoD.		

**— VALIDATION IMAGES —**

Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Fbx32) Polyclonal Antibody, Unconjugated (bs-2591R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Fbx32) Polyclonal Antibody, Unconjugated (bs-2591R) at 1:50 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Blank control: HeLa. Primary Antibody (green line): Rabbit Anti-Fbx32 antibody (bs-2591R) Dilution: 1μg/10<sup>6</sup> cells; Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody : Goat anti-rabbit IgG-PE Dilution: 1μg/test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

**— SELECTED CITATIONS —**

- **[IF=6.684]** Ma X. et al. Endoplasmic Reticulum Stress Is Involved in Muscular Pathogenesis in Idiopathic Inflammatory Myopathies.. Front Cell Dev Biol. 2022 Feb;10:791986-791986 IHC ;Human. 35237595
- **[IF=5.62]** Lin, Xuzhu, et al. "Hindlimb Immobilization, but not Castration, Induces Reduction of Undercarboxylated

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Osteocalcin Associated with Muscle Atrophy in Rats." Journal of Bone and Mineral Research (2016). WB ;="Rat".  
27291707

- **[IF=3.412]** Zhang Quan-Bing. et al. Effect of Electrical Stimulation on Disuse Muscular Atrophy Induced by Immobilization: Correlation with Upregulation of PERK Signal and Parkin-Mediated Mitophagy. AM J PHYS MED REHAB. 2023 Jan;;10.1097/PHM.0000000000002182 IHC ;Rabbit. 36630294