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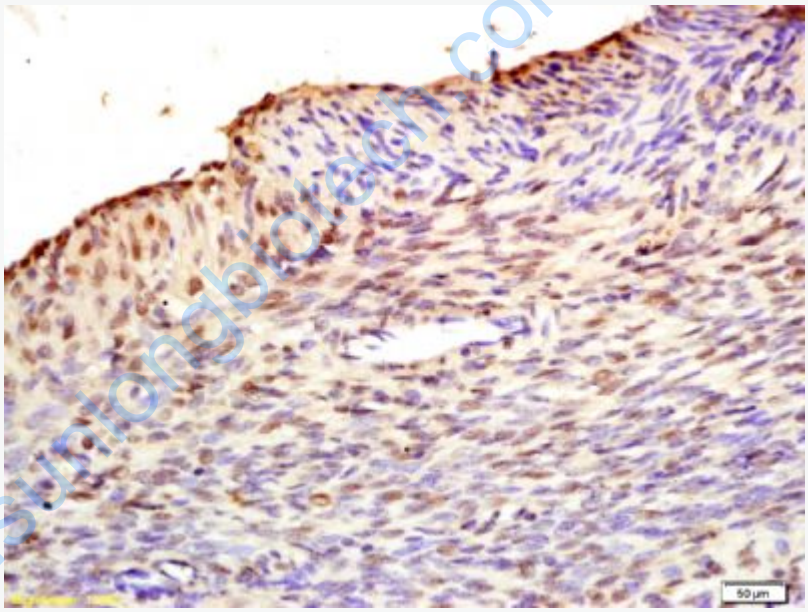
Rabbit Anti-Fbx32 antibody

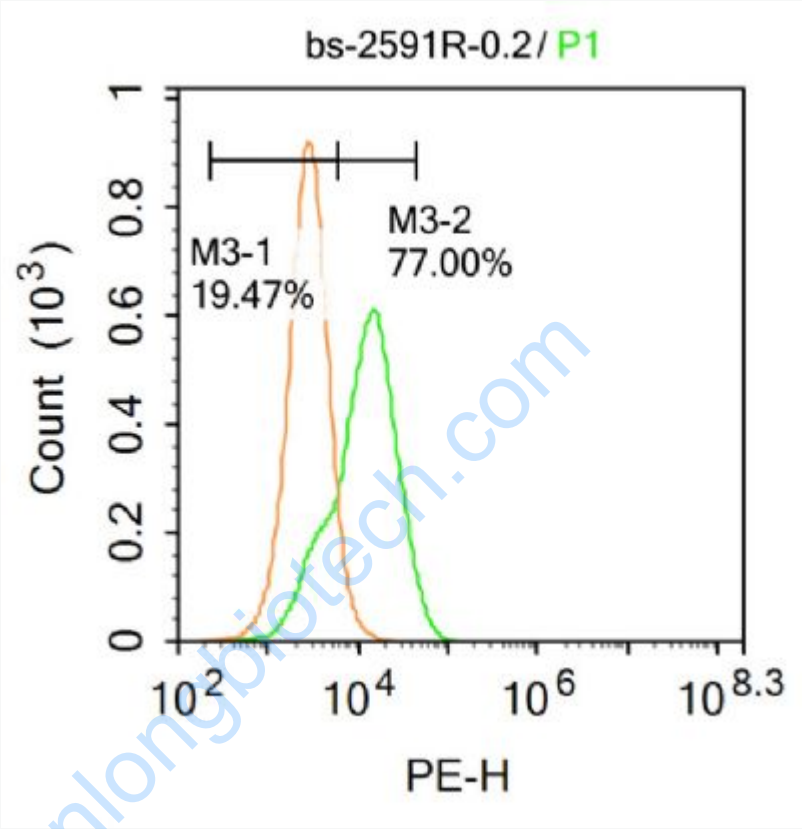
SL2591R

Product Name:	Fbx32
Chinese Name:	Ubiquitin蛋白连接酶抗体
Alias:	Fbx32; 4833442G10Rik; AI430017; Atrogin 1; Atrogin-1; ATROGIN1; Atrophy gene 1; F box only protein 32; F-box only protein 32; F-box protein 32; FBX32_HUMAN; fbxo25; FBXO32; FLJ32424; MAFbx; MGC108443; MGC137646; MGC33610; Muscle atrophy F box; Muscle atrophy F box protein; Muscle atrophy F-box protein.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=0.2ug/testIF=1:100-500（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	42kDa
Cellular localization:	The nucleuscytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human MAFbx:31-130/355
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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. **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. **Subunit:** Part of the SCF (SKP1-CUL1-F-box) E3 ubiquitin-protein ligase complex SCF(FBXO32) formed of CUL1, SKP1, RBX1 and FBXO32. **Subcellular Location:** Cytoplasm. Nucleus. Note=Shuttles between Cytoplasm and the nucleus. **Tissue Specificity:** Specifically expressed in cardiac and skeletal muscle. **Similarity:** Contains 1 F-box domain. **SWISS:** Q969P5 **Gene ID:** 114907 **Database links:** Entrez Gene: 513776Cow Entrez Gene: 114907Human Entrez Gene: 67731Mouse Entrez Gene: Q2KHT6Pig Entrez Gene: 171043Rat Omim: 606604Human SwissProt: Q2KHT6Cow SwissProt: Q969P5Human SwissProt: Q9CPU7Mouse

	SwissProt: Q1A730Pig SwissProt: Q91Z62Rat Unigene: 403933Human Unigene: 292042Mouse Unigene: 72619Rat **Important Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Picture:	 Tissue/cell: rat uterus tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37℃ for 20 min; Incubation: Anti-MAFbx/Fbx32 Polyclonal Antibody, Unconjugated(SL2591R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-

0023) and DAB(C-0010) staining



Blank control: Hela.

Primary Antibody (green line): Rabbit Anti-Fbx32 antibody (SL2591R)

Dilution: 1μg /10^6 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℃. The cells were then

	incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at 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.