10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-Fbx32 Rabbit Monoclonal Antibody

Catalog # ABO15488

Product Information

Application	WB, IF, ICC
Primary Accession	Q969P5
Host	Rabbit
Isotype	IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-Fbx32 Rabbit Monoclonal Antibody . Tested in WB, ICC/IF applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

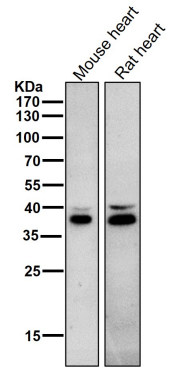
Gene ID	114907
Other Names	F-box only protein 32, Atrogin-1, Muscle atrophy F-box protein, MAFbx, FBXO32
Calculated MW	41637
Application Details	WB 1:500-1:2000 ICC/IF 1:50-1:200
Source	Eukaryota
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names	Clone: 20F64
Immunogen	A synthesized peptide derived from human Fbx32
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

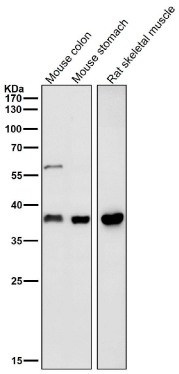
Name	FBXO32
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy.

	Recognizes TERF1. Negatively regulates macrophage efferocytosis by promoting the ubiquitination of the transcription factor KLF4, suppressing the receptor tyrosine kinase MERTK transcription (By similarity). Regulates LPS-induced apoptosis and mitochondrial dysfunction through ANXA1 ubiquitination and degradation (By similarity). Mediates cyclin D1 protein stabilization via 'Lys-27'-linked ubiquitination (PubMed:40307251).
Cellular Location	Cytoplasm. Nucleus. Note=Shuttles between cytoplasm and the nucleus
Tissue Location	Specifically expressed in cardiac and skeletal muscle

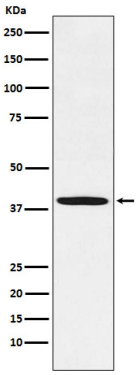
Images



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



All lanes use the Antibody at 1:1K dilution for 1 hour at room temperature.



Western blot analysis of Fbx32 expression in Human skeletal muscle lysate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.