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

Fbx32 Antibody

Rabbit mAb
Catalog # AP92027

Product Information

Application	WB, IF, ICC
Primary Accession	Q969P5
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	Atrogin 1; ATROGIN1; fbxo25; FBXO32; MAFbx;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	41637

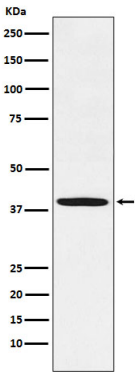
Additional Information

Dilution	WB 1:500~1:2000 ICC/IF 1:50~1:200
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Fbx32
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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



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'.