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

Fbxo32 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13470

Product Information

Application	WB
Primary Accession	Q9CPU7
Other Accession	NM_026346, NP_080622
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Rat, Rabbit, Zebrafish, Pig, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41504

Additional Information

Gene ID	67731
Alias Symbol	4833442G10Rik, AI430017, ATROGIN1, MAFbx, atrogin-1, Gm20361
Other Names	F-box only protein 32, Atrogin-1, Muscle atrophy F-box protein, MAFbx, Fbxo32
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Fbxo32 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Fbxo32 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

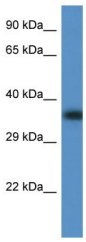
Name	Fbxo32
Function	Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy. Recognizes TERF1. Negatively regulates macrophage efferocytosis by promoting the ubiquitination of the transcription factor KLF4, suppressing the receptor tyrosine kinase MERTK transcription (PubMed:39986490). Regulates LPS-induced apoptosis and mitochondrial dysfunction through ANXA1 ubiquitination and degradation (PubMed:24789905). Mediates cyclin D1 protein stabilization via 'Lys-27'-linked ubiquitination (By similarity).

Cellular Location	Cytoplasm. Nucleus {ECO:0000250|UniProtKB:Q969P5}. Note=Shuttles between cytoplasm and the nucleus. {ECO:0000250|UniProtKB:Q969P5}
Tissue Location	Specifically expressed in cardiac and skeletal muscle

References

Gomes M.D.,et al.Proc. Natl. Acad. Sci. U.S.A. 98:14440-14445(2001).
Carninci P.,et al.Science 309:1559-1563(2005).

Images



WB Suggested Anti-Fbxo32 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Heart

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