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Datasheet

FBXO32 polyclonal antibody

Catalog Number: PAB15627

Regulation Status: For research use only (RUO)

Product Description: Goat polyclonal antibody raised aganist synthetic peptide of FBXO32.

Immunogen: A synthetic peptide corresponding to amino acids at internal region of human FBXO32.

Sequence: C-NSKTKTQYFHQEK

Host: Goat

Theoretical MW (kDa): 41.6, 24.7

Reactivity: Human,Mouse

Applications: ELISA, WB-Ti
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Specificity: Approximately 40 KDa band observed in human and mouse skeletal muscle lysates (calculated MW of 41.6 KDa according to human NP_478136.1 and of 41.5 KDa according to mouse NP_080622.1).

Form: Liquid

Purification: Antigen affinity purification

Concentration: 0.5 mg/mL

Recommend Usage: ELISA (1:32000)
Western Blot (0.1-0.3 ug/mL)
The optimal working dilution should be determined by the end user.

Storage Buffer: In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)

Storage Instruction: Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 114907

Gene Symbol: FBXO32

Gene Alias: FLJ32424, Fbx32, MAFbx, MGC33610

Gene Summary: This gene encodes a member of the F-box protein family which is characterized by an approximately 40 amino acid motif, the F-box. The F-box proteins constitute one of the four subunits of the ubiquitin protein ligase complex called SCFs (SKP1-cullin-F-box), which function in phosphorylation-dependent ubiquitination. The F-box proteins are divided into 3 classes: Fbws containing WD-40 domains, Fbls containing leucine-rich repeats, and Fbxs containing either different protein-protein interaction modules or no recognizable motifs. The protein encoded by this gene belongs to the Fbxs class and contains an F-box domain. This protein is highly expressed during muscle atrophy, whereas mice deficient in this gene were found to be resistant to atrophy. This protein is thus a potential drug target for the treatment of muscle atrophy. Alternative splicing of this gene results in two transcript variants encoding two isoforms of different sizes. [provided by RefSeq]

References:

1. Muscle-specific MicroRNA1 (miR1) Targets Heat Shock Protein 70 (HSP70) during Dexamethasone-mediated Atrophy. Kukreti H, Amuthavalli K, Harikumar A, Sathiyamoorthy S, Feng PZ, Anantharaj R, Tan SL, Lokireddy S, Bonala S, Sriram S, McFarlane C, Kambadur R, Sharma M J Biol Chem. 2013 Mar 1;288(9):6663-78. doi: 10.1074/jbc.M112.390369. Epub 2013 Jan 6.
2. The muscle-specific ubiquitin ligase atrogin-1/MAFbx mediates statin-induced muscle toxicity. Hanai J, Cao P, Tanksale P, Imamura S, Koshimizu E, Zhao J, Kishi S, Yamashita M, Phillips PS, Sukhatme VP, Lecker SH. J Clin Invest. 2007 Dec;117(12):3940-51.