



FBX32 rabbit pAb

Catalog No	YP-Ab-07952
Isotype	IgG
Reactivity	Human; Mouse; Rat
Applications	WB
Gene Name	FBXO32
Immunogen	Synthesized peptide derived from human FBX32 AA range: 217-267
Specificity	This antibody detects endogenous levels of FBX32 at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.66% sodium azide.
Source	Polyclonal, Rabbit, IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Atrogin 1; Atrogin-1; F box only protein 32; F box protein 32; F-box only protein 32; FBX32; FBXO32; F-box only protein 32 (Atrogin-1) (Muscle atrophy F-box protein) (MAFbx)
Observed Band	38kD
Calculated Molecular Weight	38kD
Cell Pathway	Cytoplasm . Nucleus . Shuttles between cytoplasm and the nucleus.
Tissue Specificity	Specifically expressed in cardiac and skeletal muscle.
Function	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., pathway: Protein modification; protein ubiquitination., similarity: Contains 1 F-box domain., subunit: Part of the SCF (SKP1-CUL1-F-box) E3 ubiquitin-protein ligase complex SCF (FBXO32) formed of CUL1, SKP1A, RBX1 and FBXO32., tissue specificity: Specifically expressed in cardiac and skeletal muscle.,



Background

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 results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jun 2011],

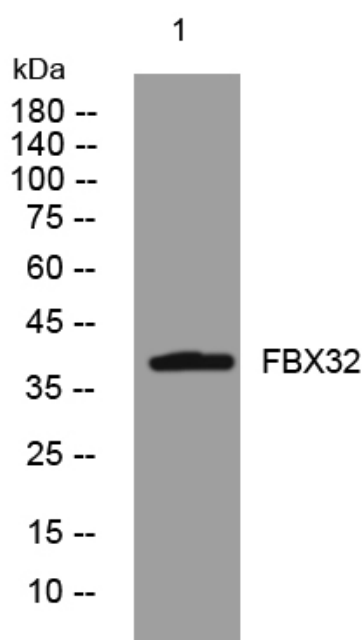
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from HpeG2 cells, primary antibody was diluted at 1:1000, 4° over night