Data Sheet (Cat.No.TMAC-01450)

TargetMol

Anti-Fbx32 Antibody (6J554)

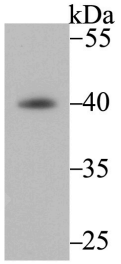
Product Details

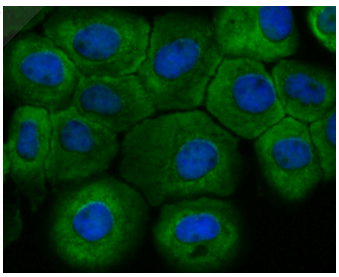
Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 41 kDa.
Clone:	6J554
Purification:	ProA affinity purified

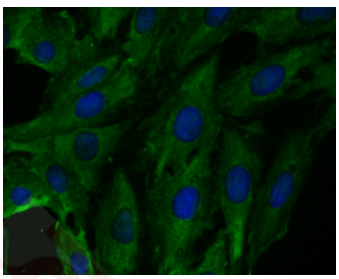
Applications

Verified Activity:

1. Western blot analysis of Fbx32 on mouse skeletal muscle tissue using anti-Fbx32 antibody at 1/1,000 dilution.
2. ICC staining Fbx32 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.
3. ICC staining Fbx32 in L6 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.







Application:	ICC,WB
Recommended	WB: 1:500-1000; ICC: 1:50-200

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: human Fbx32 1-200aa
Antigen Species:	Human
Uniprot ID:	Q969P5
Synonyms:	Atrogin 1;AI430017;F box only protein 32;F-box only protein 32;Fbx32;MGC108443; 4833442G10Rik;F-box protein 32;Muscle atrophy F box;ATROGIN1;FLJ32424;Muscle atrophy F box protein;FBXO32;fbxo25;MGC33610;Atrophy gene 1;Atrogin-1;MGC137646;MAFbx

Research Background

Muscle atrophy F-box (MAFbx) is an E3 ubiquitin ligase that initiates ATP-dependent ubiquitin-mediated proteolysis and promotes muscle atrophy. MAFbx transcript is abundant in cardiac and skeletal muscle undergoing atrophy. MAFbx -/- mice are resistant to muscle atrophy. MAFbx is thought to recognize and bind to some phosphorylated proteins and promote their ubiquitination and degradation during skeletal muscle atrophy. It interacts with MyoD by ubiquitination via a sequence found in transcriptional coactivators and therefore may play an important role in the course of muscle differentiation by determining the abundance of MyoD. MAFbx is specifically expressed in cardiac and skeletal muscle.

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