

Product datasheet

Anti-Fbx32 antibody ab74023

★★★★★ 5 Abreviews 7 References 4 Images

Overview

Product name	Anti-Fbx32 antibody
Description	Rabbit polyclonal to Fbx32
Tested applications	Suitable for: WB, IHC-P, ICC/IF, IHC-Fr
Species reactivity	Reacts with: Mouse, Rat, Human, Pig Predicted to work with: Chicken, Cow, Zebrafish
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 300 to the C-terminus of Human Fbx32. Read Abcam's proprietary immunogen policy (Peptide available as ab74022 .)
Positive control	This antibody gave a positive signal in the following tissue lysates: Human Skeletal Muscle, Mouse Skeletal Muscle, Rat Skeletal Muscle

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab74023** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★	Use a concentration of 2 µg/ml. Detects a band of approximately 42 kDa (predicted molecular weight: 42 kDa).

Application	Abreviews	Notes
IHC-P	★★★★☆	1/2000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF	★★★★★	1/500.
IHC-Fr	★★★★★	1/200.

Target

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.

Tissue specificity

Specifically expressed in cardiac and skeletal muscle.

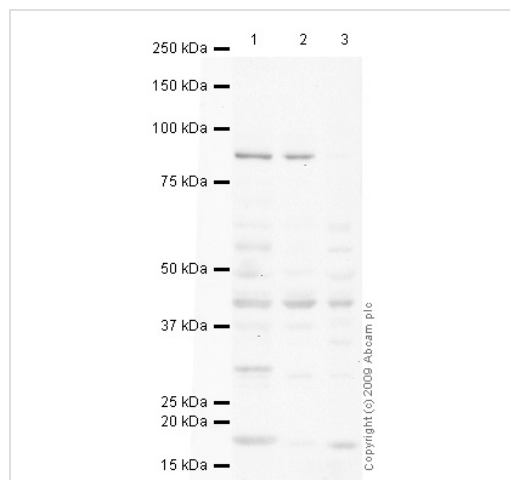
Pathway

Protein modification; protein ubiquitination.

Sequence similarities

Contains 1 F-box domain.

Images



Western blot - Fbx32 antibody (ab74023)

All lanes : Anti-Fbx32 antibody (ab74023) at 2 µg/ml

Lane 1 : Human skeletal muscle tissue lysate - total protein ([ab29330](#))

Lane 2 : Skeletal Muscle (Mouse) Tissue Lysate

Lane 3 : Skeletal Muscle (Rat) Tissue Lysate

Lysates/proteins at 10 µg per lane.

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

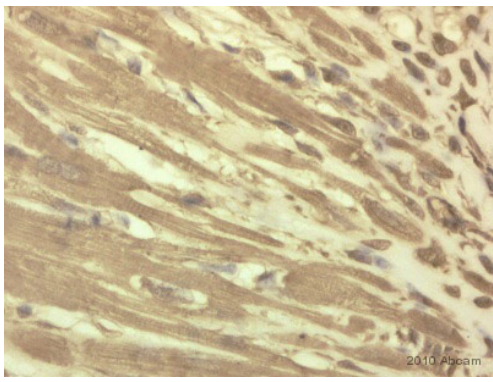
Performed under reducing conditions.

Predicted band size : 42 kDa

Observed band size : 42 kDa

Additional bands at : 90 kDa. We are unsure as to the identity of these extra bands.

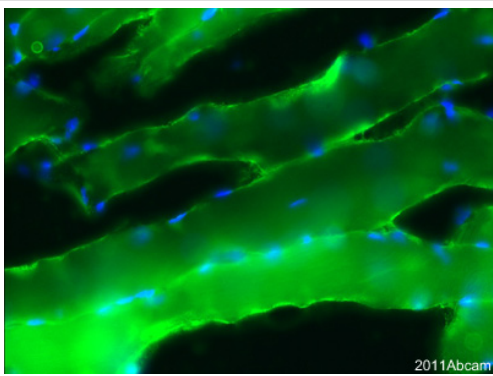
Exposure time : 15 minutes



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Fbx32 antibody (ab74023)

This image is courtesy of an abreview submitted by AntibodySolutions Ltd.

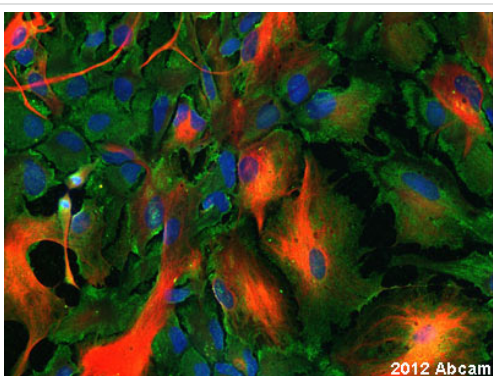
ab74023 (1/2000) staining Fbx32 in paraffin-embedded Human heart tissue. Tissue underwent fixation in formaldehyde, peroxidase blocking, protein blocking and heat mediated antigen retrieval. The secondary antibody was goat anti rabbit conjugated to HRP. For further experimental details please refer to abreview.



Immunohistochemistry (Frozen sections) - Fbx32 antibody (ab74023)

This image is courtesy of an Abreview submitted by Ruma Raha-Chowdhury

ab74023 staining Fbx32 in rat muscle tissue sections by Immunohistochemistry (Frozen section). Tissue was fixed with 4% PFA overnight. Samples were then blocked with 10% donkey serum for 1 hour at 24°C followed by incubation with ab74023 at a 1/200 dilution, for 24 hours at 4°C. A pig anti-rabbit Alexa Fluoro 488 conjugate was used as secondary antibody at a 1/1000 dilution. Nuclei were stained using the standard Hoestch method and are depicted in blue.



Immunocytochemistry/ Immunofluorescence - Anti-Fbx32 antibody (ab74023)

This image is courtesy of an Abreview submitted by Ruma Raha-Chowdhury

ab74023 staining cultured rat astrocytes by ICC/IF. The cultured astrocytes were fixed with paraformaldehyde and blocked with 10% donkey serum for 30 minutes at 24°C. The cultured astrocytes were then stained with ab74023 at 1/500 in 0.3% TritonX with 0.1% PBS and 10% donkey serum for 4.5h at 24°C. An Alexa Fluoro 488 donkey anti-rabbit polyclonal antibody at 1/1000 was used as the secondary antibody. Nuclei were stained with 1.43µM Hoechst and can be observed in blue. FBX32 expressed in the newly born astrocytes but does not co-localise with mature astrocytes.

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