

Product datasheet

Anti-Fbx32 antibody ab74023

★★★★★ 5 Abreviews 7 References 4 Images

Overview

Product name	Anti-Fbx32 antibody
Description	Rabbit polyclonal to Fbx32
Host species	Rabbit
Specificity	This antibody is only batch tested in WB and therefore we can only guarantee it for this application. Customers have successfully used this antibody in IHC and ICC but we have not tested it's performance in these applications. If you would like an antibody that is tested in ICC, we would recommend our recombinant antibody ab168372 .
Tested applications	Suitable for: WB
Species reactivity	Reacts with: Mouse, Rat, Human, Pig Predicted to work with: Chicken, Cow, Zebrafish 
Immunogen	Synthetic peptide within Human Fbx32 aa 300 to the C-terminus (internal sequence) conjugated to keyhole limpet haemocyanin. The exact sequence is proprietary. (Peptide available as ab74022)
Positive control	WB: Human, mouse and rat skeletal muscle tissue lysate. IHC-P: Human heart tissue. IHC-Fr: Rat muscle tissue. ICC/IF: Rat astrocyte cells.

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.

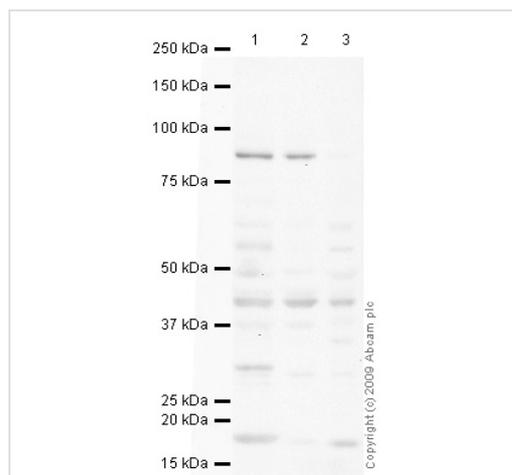
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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

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 - Anti-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 : Mouse skeletal muscle tissue lysate

Lane 3 : Rat skeletal muscle tissue lysate

Lysates/proteins at 10 µg per lane.

Secondary

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

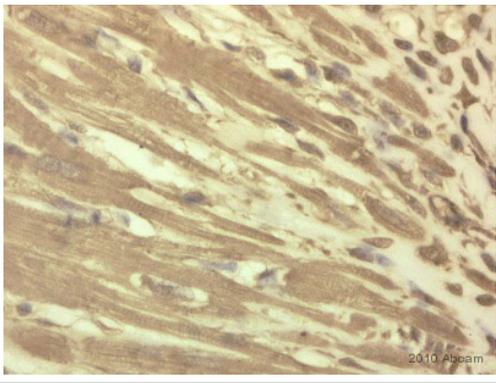
Performed under reducing conditions.

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

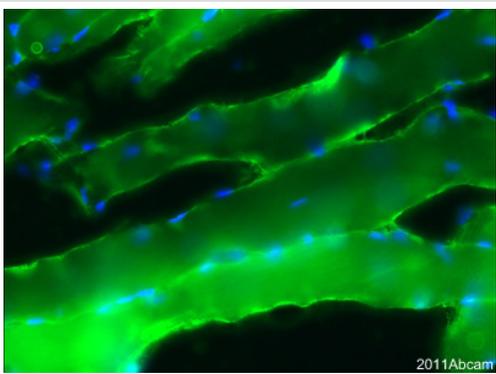


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Fbx32 antibody (ab74023)

This image is courtesy of an abreview submitted by Antibody Solutions Ltd.

Paraffin-embedded human heart tissue stained for Fbx32 with ab74023 (1/2,000 dilution) in immunohistochemical analysis.

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.

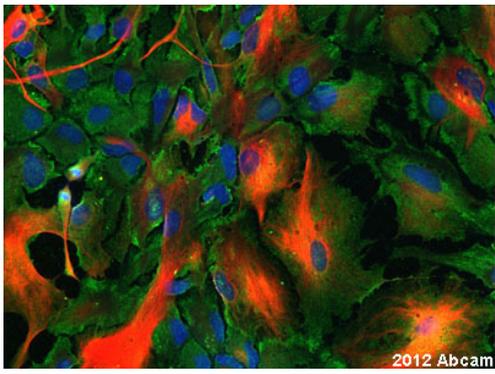


Immunohistochemistry (Frozen sections) - Anti-Fbx32 antibody (ab74023)

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

Frozen sectioned rat muscle tissue stained for Fbx32 with ab74023 (1/200 dilution) (green) in immunohistochemical analysis.

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 for 24 hours at 4°C. A pig anti-rabbit Alexa Fluor488[®] conjugate was used as secondary antibody at a 1/1,000 dilution. Nuclei were stained using the standard Hoesch 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 Fbx32 in cultured rat astrocytes by ICC/IF at a 1/500 dilution (green).

The cultured astrocytes were fixed with paraformaldehyde and blocked with 10% donkey serum for 30 minutes at 24°C. Cells were then stained with ab74023 in 0.3% TritonX with 0.1% PBS and 10% donkey serum for 4.5 hours at 24°C. An Alexa Fluor-488[®] donkey anti-rabbit polyclonal antibody at 1/1,000 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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