

Product datasheet

Anti-Filamin C antibody [EPR14498(B)] ab180941

Recombinant RabMAb

★★★★★ [2 Abreviews](#) [6 References](#) [3 Images](#)

Overview

Product name	Anti-Filamin C antibody [EPR14498(B)]
Description	Rabbit monoclonal [EPR14498(B)] to Filamin C
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human skeletal muscle and fetal heart lysates; Human muscle tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p>

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 long term. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14498(B)
Isotype	IgG

Applications

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab180941 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	★★★★★ (1)	1/10000 - 1/50000. Detects a band of approximately 291 kDa (predicted molecular weight: 291 kDa).
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Target

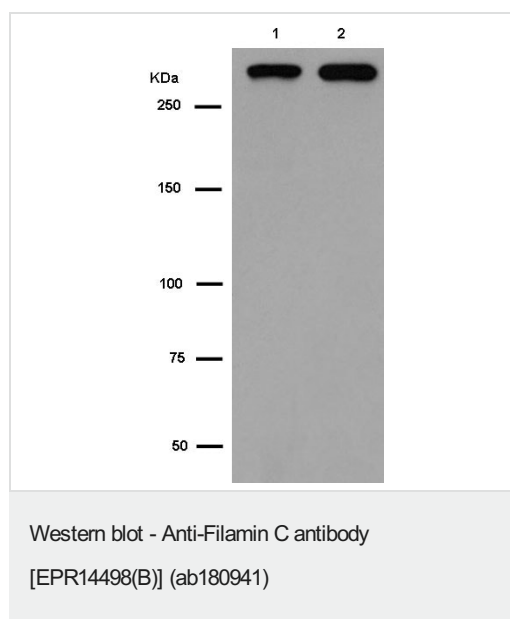
Relevance

FLNC is a muscle-specific filamin, which plays a central role in muscle cells, probably by functioning as a large actin-cross-linking protein. May be involved in reorganizing the actin cytoskeleton in response to signaling events, and may also display structural functions at the Z-disks in muscle cells. Defects in FLNC are the cause of autosomal dominant filaminopathy. Myofibrillar myopathy (MFM) is a neuromuscular disorder, usually with an adult onset, characterized by focal myofibrillar destruction and pathological cytoplasmic protein aggregations. Autosomal dominant filaminopathy is a form of MFM characterized by morphological features of MFM and clinical features of a limb-girdle myopathy. A heterozygous nonsense mutation which segregates with the disease, has been identified in the FLNC gene.

Cellular localization

Cytoplasmic

Images



All lanes : Anti-Filamin C antibody [EPR14498(B)] (ab180941) at 1/50000 dilution

Lane 1 : Human skeletal muscle lysate

Lane 2 : Human fetal heart lysate

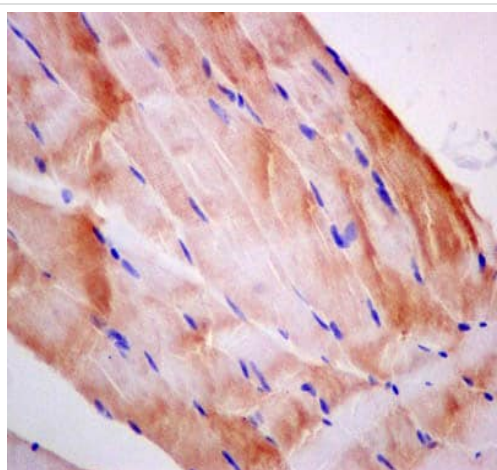
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/1000 dilution

Predicted band size: 291 kDa

Observed band size: 291 kDa







Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Filamin C antibody [EPR14498(B)] (ab180941)

Immunohistochemical analysis of paraffin-embedded Human muscle tissue labeling Filamin C with ab180941 at 1/250 dilution, followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with EDTA buffer pH 9 before commencing with IHC staining protocol.

Why choose a recombinant antibody?

 <p>Research with confidence Consistent and reproducible results</p>	 <p>Long-term and scalable supply Recombinant technology</p>
 <p>Success from the first experiment Confirmed specificity</p>	 <p>Ethical standards compliant Animal-free production</p>

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Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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