




Product datasheet

Anti-Nexilin/F-actin-binding protein antibody ab233235

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Overview

Product name	Anti-Nexilin/F-actin-binding protein antibody
Description	Rabbit polyclonal to Nexilin/F-actin-binding protein
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Rat Predicted to work with: Mouse 
Immunogen	Recombinant fragment (His-T7-tag) corresponding to Rat Nexilin/F-actin-binding protein aa 200-500. N-terminal tags. Expressed in E. coli. Database link: Q9Z2J4-2 <div>  Run BLAST with  Run BLAST with </div>
Positive control	IHC-P: Rat cardiac muscle tissue. WB: Recombinant rat Nexilin/F-actin-binding protein. Rat heart, lung, cerebrum and testis tissue lysate.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</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	pH: 7.40 Preservative: 0.011% Proclin 300 Constituents: 55.77% Glycerol (glycerin, glycerine), 44.219% PBS
Purity	Immunogen affinity purified

Purification notes	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

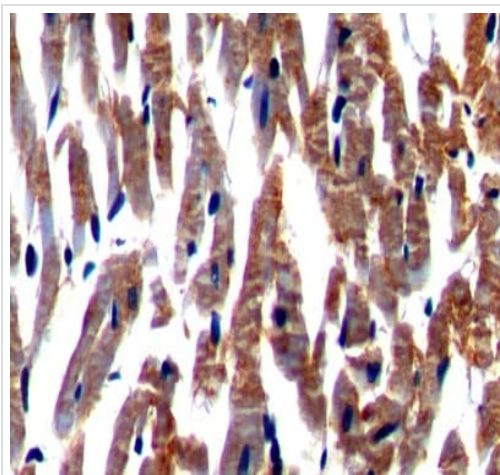
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab233235 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 78 kDa.

Target

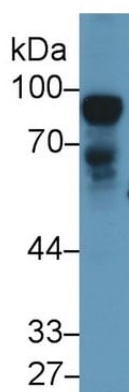
Function	Involved in regulating cell migration through association with the actin cytoskeleton. Has an essential role in the maintenance of Z line and sarcomere integrity.
Tissue specificity	Abundantly expressed in heart and skeletal muscle, and at lower levels in placenta, lung, liver and pancreas. Also expressed in HeLa S3 and Molt-4 cells.
Involvement in disease	Defects in NEXN are the cause of cardiomyopathy dilated type 1CC (CMD1CC) [MIM:613122]. A disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death. Defects in NEXN are the cause of cardiomyopathy familial hypertrophic type 20 (CMH20) [MIM:613876]. CMH20 is a hereditary heart disorder characterized by ventricular hypertrophy, which is usually asymmetric and often involves the interventricular septum. The symptoms include dyspnea, syncope, collapse, palpitations, and chest pain. They can be readily provoked by exercise. The disorder has inter- and intrafamilial variability ranging from benign to malignant forms with high risk of cardiac failure and sudden cardiac death.
Sequence similarities	Contains 1 Ig-like (immunoglobulin-like) domain.
Cellular localization	Cytoplasm > cytoskeleton. Cell junction > adherens junction. Cytoplasm > myofibril > sarcomere > Z line. Localizes to the cell-matrix AJ. Not found at the cell-cell AJ.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nexilin/F-actin-binding protein antibody (ab233235)

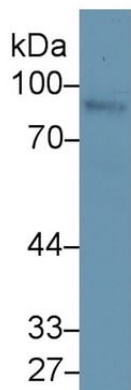
Formalin-fixed, paraffin-embedded rat cardiac muscle tissue stained for Nexilin/F-actin-binding protein with ab233235 at 10 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-Nexilin/F-actin-binding protein antibody (ab233235)

Anti-Nexilin/F-actin-binding protein antibody (ab233235) at 1 µg/ml
+ Rat testis tissue lysate

Predicted band size: 78 kDa



Anti-Nexilin/F-actin-binding protein antibody (ab233235) at 1 μ g/ml
+ Rat cerebrum tissue lysate

Predicted band size: 78 kDa

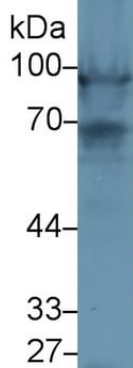
Western blot - Anti-Nexilin/F-actin-binding protein
antibody (ab233235)



Anti-Nexilin/F-actin-binding protein antibody (ab233235) at 1 μ g/ml
+ Rat lung tissue lysate

Predicted band size: 78 kDa

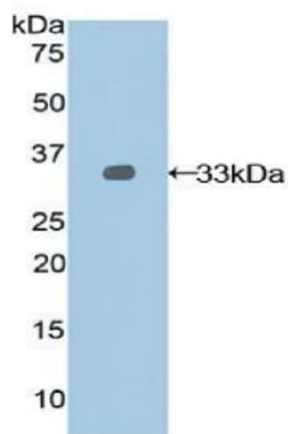
Western blot - Anti-Nexilin/F-actin-binding protein
antibody (ab233235)



Anti-Nexilin/F-actin-binding protein antibody (ab233235) at 1 µg/ml
+ Rat heart tissue lysate

Predicted band size: 78 kDa

Western blot - Anti-Nexilin/F-actin-binding protein
antibody (ab233235)



Anti-Nexilin/F-actin-binding protein antibody (ab233235) at 1 µg/ml
+ Recombinant rat Nexilin/F-actin-binding protein

Predicted band size: 78 kDa

Western blot - Anti-Nexilin/F-actin-binding protein
antibody (ab233235)

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