

Product datasheet

Anti-MYPN antibody ab233039

3 Images

Overview

Product name	Anti-MYPN antibody
Description	Rabbit polyclonal to MYPN
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human, Pig Predicted to work with: Mouse
Immunogen	<p>Recombinant fragment (His-tag) corresponding to Human MYPN aa 945-1320. (Expressed in E.coli).</p> <p>Sequence:</p> <pre> PIFDKRLKHFRVTEGSPVFTFTCKIVGIPVPKVYWFKDQKQI SKRNEHCKM RREGDGTCSLHIESTTSDDDGNYTIMAANPQGRISCSGHL MVQSLPIRSR LTSAGQSHRGRSRVQERDKEPLQERFFRPHFLQAPGDM VAHEGRLCRLDC KVSGLPPPPELTWLLNGQPVLDPDASHKMLVRETGVHSLID PLTQRDAGTY KCIATNKTGQNSFSLELSVVAKEVKKAPVILEKLQNCQVP EGHPVRLECR VIGMPPPVFYWKDNETIPCTRERISMHQD TTGYACLLIQP AKKSDAGWY TLSAKNEAGIVSCTARLDIYAQWHHQIPPPMSVRPSGSRY GSLTSKGLDI FSAFSSMESTMVYSCSSRSVVESEDEL </pre> <p>Database link: Q86TC9</p> <p style="text-align: right;"> Run BLAST with Run BLAST with </p>
Positive control	WB: Pig heart and skeletal muscle lysates; Recombinant human MYPN protein. IHC-P: Human skeletal muscle tissue.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and</p>

species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.

Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.

Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.

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: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab233039 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab233039** 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 0.2 - 2 µg/ml. Predicted molecular weight: 145 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function	Component of the sarcomere that tethers together nebulin (skeletal muscle) and nebulin (cardiac muscle) to alpha-actinin, at the Z lines.
Tissue specificity	Expressed in adult skeletal muscle and fetal heart.

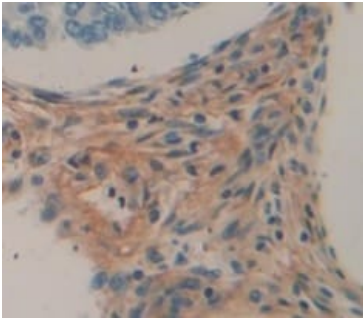
Sequence similarities

Belongs to the myotilin/palladin family.
Contains 5 Ig-like (immunoglobulin-like) domains.

Cellular localization

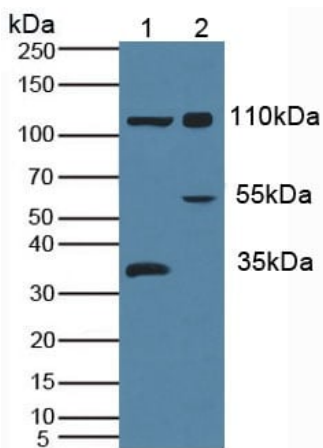
Cytoplasm. Nucleus. Cytoplasm > myofibril > sarcomere. Bound to sarcomere both at the Z-line periphery and in the central I-band region.

Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-MYPN antibody (ab233039)

Formalin-fixed, paraffin-embedded human skeletal muscle tissue stained for MYPN using ab233039 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-MYPN antibody (ab233039)

All lanes : Anti-MYPN antibody (ab233039) at 2 µg/ml

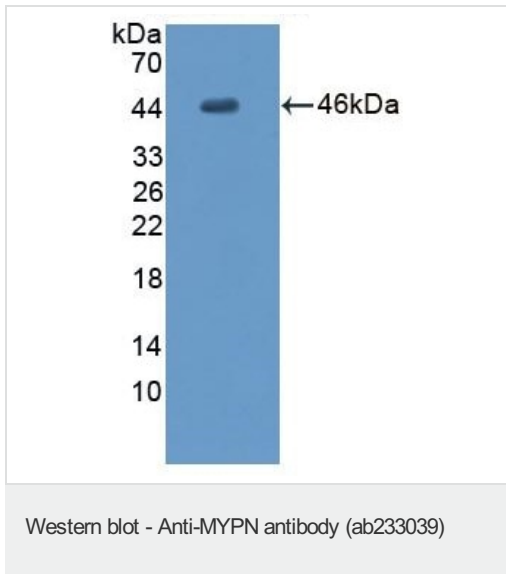
Lane 1 : Pig heart lysate

Lane 2 : Pig skeletal muscle lysate

Secondary

All lanes : HRP-Linked Guinea pig Anti-Rabbit at 1/1000 dilution

Predicted band size: 145 kDa



Anti-MYPN antibody (ab233039) at 2 µg/ml + Recombinant human MYPN protein

Predicted band size: 145 kDa

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

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- Response to your inquiry within 24 hours
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