

Product Datasheet

Actin Alpha 1 Cardiac Muscle Antibody (33-32-R) NBP3-32032

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP3-32032**Actin Alpha 1 Cardiac Muscle Antibody (33-32-R)**

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	33-32-R
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH7.4), 0.1% BSA and 40% Glycerol
Target Molecular Weight	42 kDa

Product Description	
Description	Novus Biologicals Mouse Actin Alpha 1 Cardiac Muscle Antibody (33-32-R) (NBP3-32032) is a recombinant monoclonal antibody validated for use in IHC and WB. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	70
Gene Symbol	ACTC1
Species	Human, Mouse, Rat
Immunogen	Synthetic peptide within human Actin Alpha 1 Cardiac Muscle aa 1-50 / 377. (Uniprot: P68032)

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, Immunohistochemistry, Immunohistochemistry-Paraffin 1:1000

Images

Western Blot: Actin Alpha 1 Cardiac Muscle Antibody (33-32-R) [NBP3-32032] - Western blot analysis of Actin Alpha 1 Cardiac Muscle on different lysates with Mouse anti-Actin Alpha 1 Cardiac Muscle antibody (NBP3-32032) at 1/1,000 dilution.

Lane 1: Mouse lung tissue lysate
Lane 2: Mouse heart tissue lysate
Lane 3: Rat heart tissue lysate

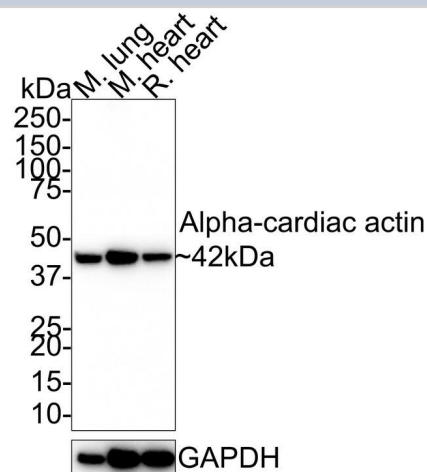
Lysates/proteins at 40 ug/Lane.

Predicted band size: 42 kDa
Observed band size: 42 kDa

Exposure time: 43 seconds;

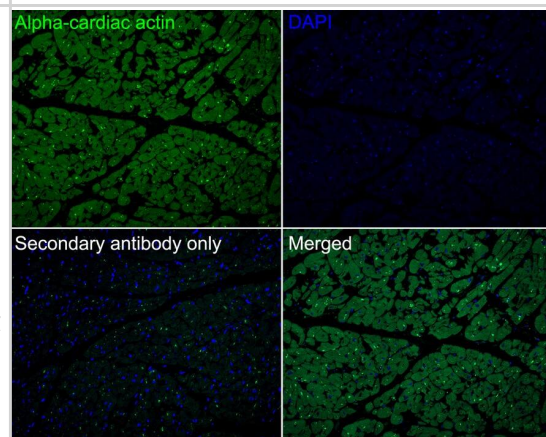
4-20% SDS-PAGE gel.

Proteins were transferred to a PVDF membrane and blocked with 5% NFDm/TBST for 1 hour at room temperature. The primary antibody (NBP3-32032) at 1/1,000 dilution was used in 5% NFDm/TBST at 4°C overnight. Goat Anti-Mouse IgG - HRP Secondary Antibody at 1/50,000 dilution was used for 1 hour at room temperature.



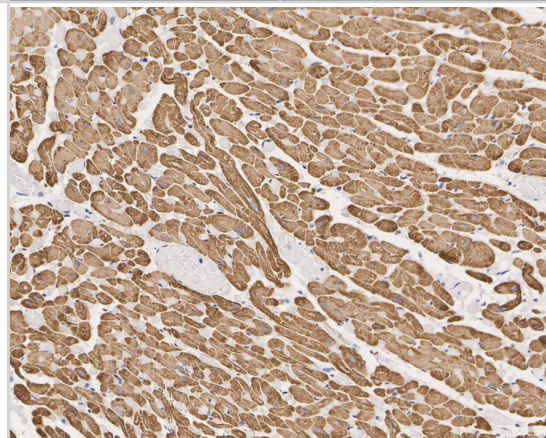
Immunohistochemistry: Actin Alpha 1 Cardiac Muscle Antibody (33-32-R) [NBP3-32032] - Immunofluorescence analysis of paraffin-embedded human heart tissue labeling Actin Alpha 1 Cardiac Muscle with Mouse anti-Actin Alpha 1 Cardiac Muscle antibody (NBP3-32032) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 10% negative goat serum for 1 hour at room temperature, washed with PBS, and then probed with the primary antibody (NBP3-32032, green) at 1/1,000 dilution overnight at 4°C, washed with PBS. Goat Anti-Mouse IgG H&L (iFluor™ 488) was used as the secondary antibody at 1/1,000 dilution. Nuclei were counterstained with DAPI (blue).



Immunohistochemistry: Actin Alpha 1 Cardiac Muscle Antibody (33-32-R) [NBP3-32032] - Immunohistochemical analysis of paraffin-embedded human heart tissue with Mouse anti-Actin Alpha 1 Cardiac Muscle antibody (NBP3-32032) at 1/1,000 dilution.

The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 20 minutes. The tissues were blocked in 1% BSA for 20 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (NBP3-32032) at 1/1,000 dilution for 1 hour at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.





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Products Related to NBP3-32032

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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