

Product Datasheet

Actin Alpha 1 Cardiac Muscle Antibody (RM257) NBP2-61474

Unit Size: 100 ul

Store at -20C. Avoid freeze-thaw cycles.

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NBP2-61474**Actin Alpha 1 Cardiac Muscle Antibody (RM257)**

| Product Information | |
|----------------------------|---|
| Unit Size | 100 ul |
| Concentration | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage | Store at -20C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | RM257 |
| Preservative | 0.09% Sodium Azide |
| Isotype | IgG |
| Purity | Protein A purified |
| Buffer | 50% Glycerol/PBS, 1% BSA |

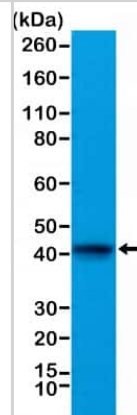
| Product Description | |
|----------------------------|--|
| Description | Novus Biologicals Rabbit Actin Alpha 1 Cardiac Muscle Antibody (RM257) (NBP2-61474) is a recombinant monoclonal antibody validated for use in IHC and WB. Anti-Actin Alpha 1 Cardiac Muscle Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee. |
| Host | Rabbit |
| Gene ID | 70 |
| Gene Symbol | ACTC1 |
| Species | Human, Mouse |
| Reactivity Notes | This antibody may also react to bovine or rat Actin Alpha 1 Cardiac Muscle, as predicted by immunogen homology. |
| Immunogen | A synthetic peptide corresponding to the N-terminus of Human Actin Alpha 1 Cardiac Muscle |

| Product Application Details | |
|------------------------------------|--|
| Applications | Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Immunohistochemistry-Frozen |
| Recommended Dilutions | Western Blot 1:1000-1:2000, Immunohistochemistry 1:1000 - 1:2000, Immunohistochemistry-Paraffin 1:10 - 1:500, Immunohistochemistry-Frozen 1:10 - 1:500 |

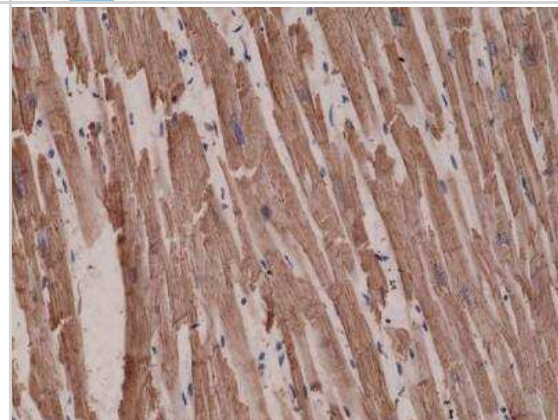


Images

Western Blot: Actin Alpha 1 Cardiac Muscle Antibody (RM257) [NBP2-61474] - Western Blot of Mouse heart tissue lysate, using NBP2-61474 at a 1:1000 dilution



Immunohistochemistry: Actin Alpha 1 Cardiac Muscle Antibody (RM257) [NBP2-61474] - Immunohistochemical staining of FFPE Human heart tissue sections using NBP2-61474 at a 1:1000 dilution



Publications

Nagarajan N, Oka SI, Nah J et al. Thioredoxin 1 promotes autophagy through transnitrosylation of Atg7 during myocardial ischemia *The Journal of clinical investigation* 2022-12-08 [PMID: 36480290] (Western Blot, Mouse)

Oka S, Tang F, Chin A Et Al. Beta-Hydroxybutyrate, a Ketone Body, Potentiates the Antioxidant Defense via Thioredoxin 1 Upregulation in Cardiomyocytes *Antioxidants* 2021-07-20 [PMID: 34356388] (WB)

Oka S, Chin A, Park J, et al. Thioredoxin-1 maintains mitochondrial function via mTOR signaling in the heart. *Cardiovasc Res.* 2019-10-04 [PMID: 31584633] (WB, Mouse)



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Products Related to NBP2-61474

| | |
|-------------|---|
| NBP2-33376H | Blue Marker Antibody (6F4-F6) [HRP] |
| HAF008 | Goat anti-Rabbit IgG Secondary Antibody [HRP] |
| NB7160 | Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP] |
| NBP2-24891 | Rabbit IgG Isotype Control |

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.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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