

Product Datasheet

Troponin I Type 1 (slow skeletal) Antibody (OT18H8) NBP2-46170

Unit Size: 0.1 ml

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

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NBP2-46170

Troponin I Type 1 (slow skeletal) Antibody (OTI8H8)

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	OTI8H8
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.3), 1.0% BSA, 50% Glycerol
Target Molecular Weight	21.5 kDa

Product Description	
Description	Novus Biologicals Mouse Troponin I Type 1 (slow skeletal) Antibody (OTI8H8) (NBP2-46170) is a monoclonal antibody validated for use in IHC and WB. Anti-Troponin I Type 1 (slow skeletal) Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7135
Gene Symbol	TNNI1
Species	Human, Mouse, Rat
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	Full length human recombinant protein of human TNNI1 (NP_003272) produced in E.coli.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry
Recommended Dilutions	Western Blot 1:2000, Immunohistochemistry 1:150, Immunohistochemistry-Paraffin 1:150

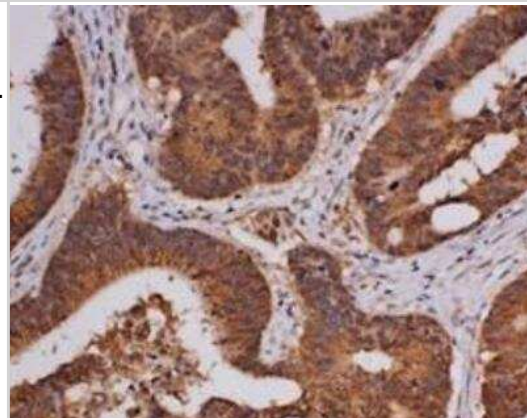


Images

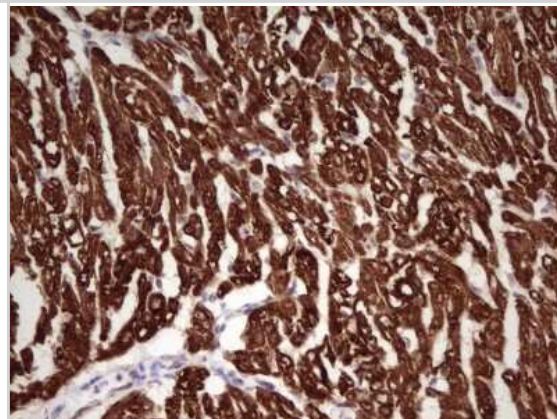
Western Blot: Troponin I Type 1 (slow skeletal) Antibody (OTI8H8) [NBP2-46170] - Analysis of HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY Troponin I Type 1.



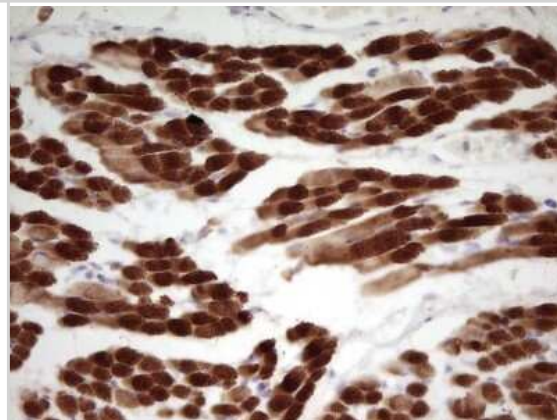
Immunohistochemistry-Paraffin: Troponin I Type 1 (slow skeletal) Antibody (OTI8H8) [NBP2-46170] - Human colorectal cancer tissue section stained with Troponin I Type 1 (slow skeletal) Antibody (OTI8H8). Incubation O/N at 4C with antibody at 1:200. IHC-P image submitted by a verified customer review.



Immunohistochemistry: Troponin I Type 1 (slow skeletal) Antibody (OTI8H8) [NBP2-46170] - Analysis of Human adult heart tissue. Heat-induced epitope retrieval by 1 mM EDTA in 10 mM Tris, pH 8.5, 120C for 3 minutes.



Immunohistochemistry: Troponin I Type 1 (slow skeletal) Antibody (OTI8H8) [NBP2-46170] - Analysis of Human muscle tissue. Heat-induced epitope retrieval by 1 mM EDTA in 10 mM Tris, pH 8.5, 120C for 3 minutes.



Publications

Tani H, Kobayashi E, Yagi S et al. Heart-derived collagen promotes maturation of engineered heart tissue *Biomaterials* 2023-05-01 [PMID: 37285642] (WB, Human)

S Marchiano, K Nakamura, H Reinecke, L Neidig, M Lai, S Kadota, F Perbellini, X Yang, JM Klaiman, LP Blakely, E Karbassi, PA Fields, AM Fenix, KM Beussman, A Jayabalu, FA Kalucki, A Futakuchi-, GJ Weber, S Dupras, H Tsuchida, L Pabon, L Wang, BC Knollmann, S Kattman, RS Thies, N Sniadecki, WR MacLellan, A Bertero, CE Murry Gene editing to prevent ventricular arrhythmias associated with cardiomyocyte cell therapy *Cell Stem Cell*, 2023-04-06;30(4):396-414.e9. 2023-04-06 [PMID: 37028405] (Immunohistochemistry, Mouse)

Bertero A, Fields P A et al. Chromatin compartment dynamics in a haploinsufficient model of cardiac laminopathy. *J Cell Biol* 2019-02-09 [PMID: 31395619] (WB, Human)

Smith A, Choi E, Gray K et al. NanoMEA: a versatile platform for high-throughput analysis of structure-function relationships in human stem cell-derived excitable cells and tissues. *Oncol Lett*. 2018-11-23 (WB, Human)





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Products Related to NBP2-46170

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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