

Product Datasheet

Troponin T Type 2 (cardiac) Antibody (CL13403) - Azide and BSA Free NBP3-43866

Unit Size: 100 ug

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

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NBP3-43866

Troponin T Type 2 (cardiac) Antibody (CL13403) - Azide and BSA Free

Product Information	
Unit Size	100 ug
Concentration	LYOPH mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL13403
Preservative	No Preservative
Reconstitution Instructions	Centrifuge the vial of lyophilized antibody at 12,000 x g for 20 seconds. Reconstitute by adding sterile, distilled water to achieve a final antibody concentration of 1mg/ml.
Isotype	IgG1
Purity	Protein A purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS with Trehalose

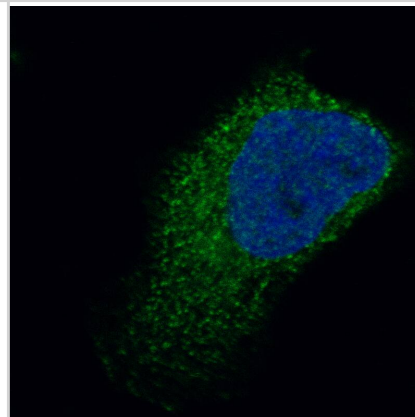
Product Description	
Description	Novus Biologicals Mouse Troponin T Type 2 (cardiac) Antibody (CL13403) - Azide and BSA Free (NBP3-24557) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	7139
Gene Symbol	TNNT2
Species	Human
Immunogen	This antibody was generated using a synthetic peptide of P45379, with the exact immunogen sequence remaining proprietary.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:1000 - 1:2500
Application Notes	For IHC-Paraffin, we recommend using Heat-Induced Epitope Retrieval (HIER) with a pH level of 6. This optimized retrieval method ensures the best results for your experiments, For Immunocytochemistry/ Immunofluorescence/IF, we recommend using a combination of PFA and Triton X-100. This will give you the optimal results for your experiments.

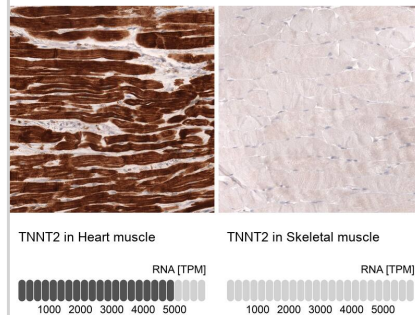


Images

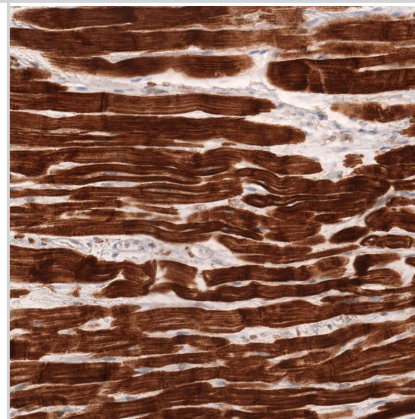
Staining in RH-30 cell line with Anti-Troponin T Type 2 (cardiac monoclonal antibody) .



Analysis in human heart muscle and skeletal muscle tissues using NBP3-43866 antibody. Corresponding Troponin T Type 2 (cardiac) RNA-seq data are presented for the same tissues.



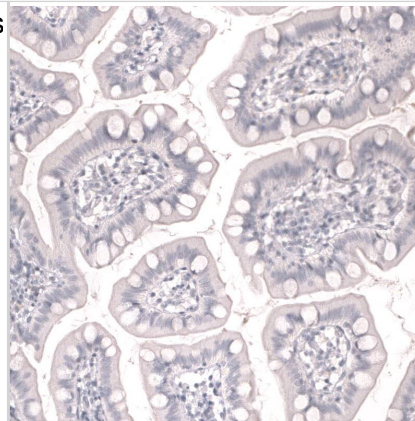
Staining of human heart muscle shows strong cytoplasmic positivity in cardiomyocytes.



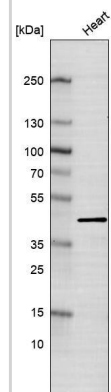
Staining of human skeletal muscle shows negative to very weak cytoplasmic positivity in myocytes.



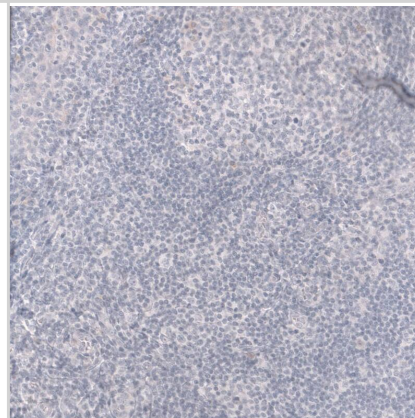
Staining of human small intestine shows no positivity in glandular cells as expected.



Analysis in human heart tissue.



Staining of human tonsil shows no positivity in non-germinal center cells as expected.





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Products Related to NBP3-43866

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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