

Product Datasheet

Myosin Light Chain 2 Antibody - BSA Free NBP1-85541

Unit Size: 0.1 ml

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

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NBP1-85541**Myosin Light Chain 2 Antibody - BSA Free**

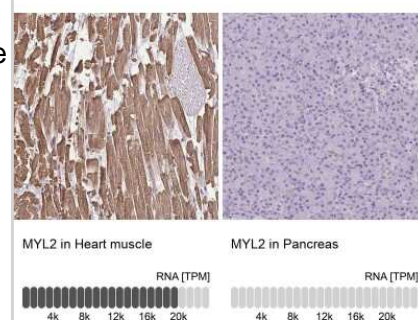
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2), 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	4633
Gene Symbol	MYL2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 25299188). Rat (82%).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: GPINFTVFLTMFGEKLGADPEETILNAFKVFDPEGKGVLKADYVREMLTTQAE RFSKEEVDQMFAAFPDPVTGNLDYKNLVHIITHGE

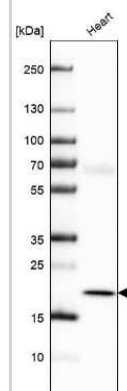
Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 0.04 - 0.4 ug/ml, Immunohistochemistry 1:2500 - 1:5000, Immunohistochemistry-Paraffin 1:2500 - 1:5000, Immunohistochemistry-Frozen Validated from a verified customer review
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

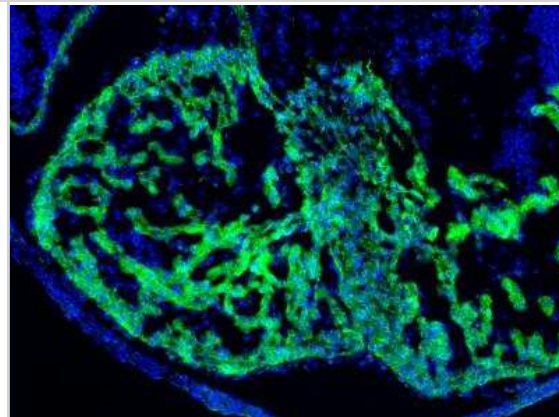
Immunohistochemistry-Paraffin: Myosin Light Chain 2 Antibody [NBP1-85541] - Analysis in human heart muscle and pancreas tissues. Corresponding Myosin Light Chain 2 RNA-seq data are presented for the same tissues.



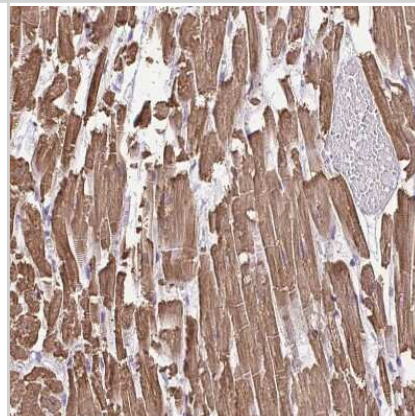
Western Blot: Myosin Light Chain 2 Antibody [NBP1-85541] - Analysis in human heart tissue.



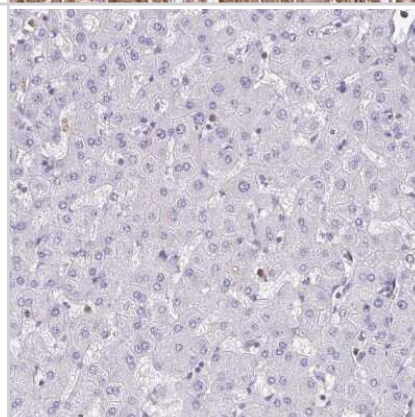
Immunohistochemistry-Frozen: Myosin Light Chain 2 Antibody [NBP1-85541] - Mlc2v staining on E11.5 mouse Right Ventricle. Fixed 4% PFA overnight. Blocked with 1% BSA. Primary antibody at 1ug/mL. Secondary antibody at 1:1000, conjugated to Alexa Fluor 488. Image submitted by a verified customer review.



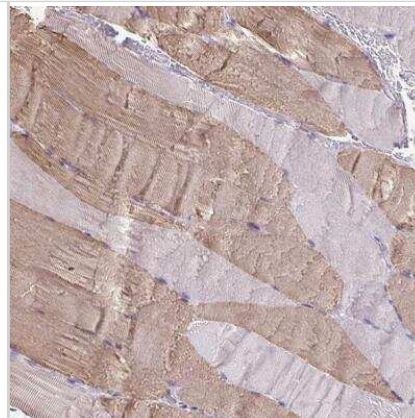
Immunohistochemistry-Paraffin: Myosin Light Chain 2 Antibody [NBP1-85541] - Staining of human heart muscle shows moderate to strong cytoplasmic positivity in cardiomyocytes.



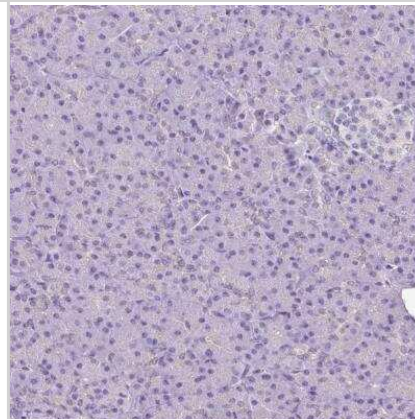
Immunohistochemistry-Paraffin: Myosin Light Chain 2 Antibody [NBP1-85541] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry: Myosin Light Chain 2 Antibody [NBP1-85541] - Immunohistochemical staining of human skeletal muscle shows moderate cytoplasmic positivity in myocytes.



Immunohistochemistry: Myosin Light Chain 2 Antibody [NBP1-85541] - Immunohistochemical staining of human pancreas shows no positivity in exocrine glandular cells as expected.



Publications

Prashan Z, Jiang L, Omar T et al. Delta-like ligand 4-mediated Notch signaling controls proliferation of second heart field progenitor cells by regulating Fgf8 expression Development 2020-09-11 [PMID: 32778568] (IF/IHC, Mouse)

He L, Tian X, Zhang H et al. BAF200 Is Required for Heart Morphogenesis and Coronary Artery Development. PLoS One 2014-01-01 [PMID: 25299188] (IF/IHC, Mouse)



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Products Related to NBP1-85541

NBP1-85541PEP	Myosin Light Chain 2 Recombinant Protein Antigen
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.

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