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MYL3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP14492a

Product Information

Application	IHC-P, WB, E
Primary Accession	P08590
Other Accession	NP_000249.1
Reactivity	Human, Rat, Mouse
Predicted	Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33731
Calculated MW	21932
Antigen Region	1-30

Additional Information

Gene ID	4634
Other Names	Myosin light chain 3, Cardiac myosin light chain 1, CMLC1, Myosin light chain 1, slow-twitch muscle B/ventricular isoform, MLC1SB, Ventricular/slow twitch myosin alkali light chain, MYL3
Target/Specificity	This MYL3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MYL3.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MYL3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MYL3 (HGNC:7584)
Function	Regulatory light chain of myosin. Does not bind calcium.

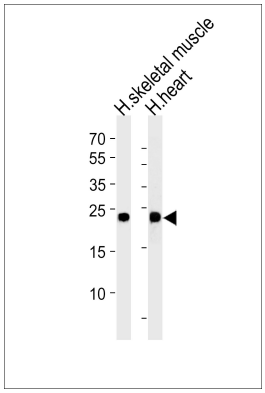
Background

MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy.

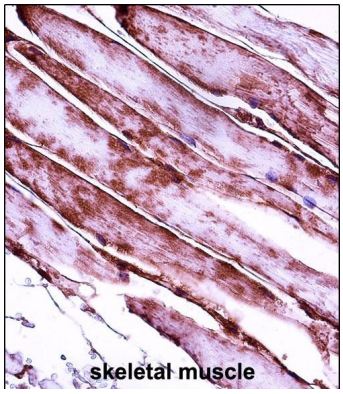
References

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Girolami, F., et al. J. Am. Coll. Cardiol. 55(14):1444-1453(2010)
Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009)
McLeod, C.J., et al. Am. Heart J. 158(5):799-805(2009)
Kaski, J.P., et al. Circ Cardiovasc Genet 2(5):436-441(2009)

Images



Western blot analysis of lysates from human skeletal muscle and heart tissue lysates (from left to right), using MYL3 Antibody (N-term)(Cat. #AP14492a). AP14492a was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.



MYL3 Antibody (N-term) (Cat. #AP14492a)immunohistochemistry analysis in formalin fixed and paraffin embedded human skeletal muscle followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of MYL3 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.