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Mouse Mylk3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13923A

Product Information

Application	WB, E
Primary Accession	Q3UIZ8
Other Accession	NP_780650.2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB34644
Calculated MW	86372
Antigen Region	174-203

Additional Information

Gene ID	213435
Other Names	Myosin light chain kinase 3, Cardiac-MyBP-C-associated Ca/CaM kinase, Cardiac-MLCK, Mylk3
Target/Specificity	This Mouse Mylk3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 174-203 amino acids from the N-terminal region of mouse Mylk3.
Dilution	WB~~1:2000 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	Mouse Mylk3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Mylk3
Function	Kinase that phosphorylates MYL2 in vitro (PubMed: 17885681, PubMed:18202317). Has been proposed to be calmodulin-dependent (PubMed:17885681), although MYL2 phosphorylation has also been observed

	in the presence or absence of calmodulin (PubMed:18202317). Promotes sarcomere formation in cardiomyocytes and increases cardiomyocyte contractility (By similarity).
Cellular Location	Cytoplasm.
Tissue Location	Restricted to cardiomyocytes (at protein level). Down-regulated in heart after experimental myocardial infarction at the protein level; no significant changes at the mRNA level

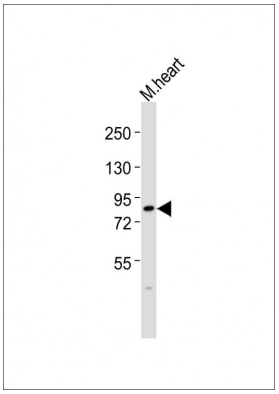
Background

Mylk3 may play a role in smooth muscle contraction (By similarity).

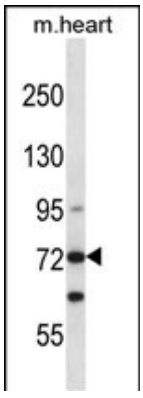
References

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Images



Anti-Mylk3 Antibody (N-term)at 1:2000 dilution + mouse heart lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 86. 4 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Mouse Mylk3 Antibody (N-term) (Cat. #AP13923a) western blot analysis in mouse heart tissue lysates (35ug/lane).This demonstrates the Mylk3 antibody detected the Mylk3 protein (arrow).

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