

MYL4 Antibody(N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19460a

Specification

MYL4 Antibody(N-term) - Product Information

Application	WB,E
Primary Accession	P12829
Other Accession	NP_002467.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	21565
Antigen Region	1-30

MYL4 Antibody(N-term) - Additional Information

Gene ID 4635

Other Names

Myosin light chain 4, Myosin light chain 1, embryonic muscle/atrial isoform, Myosin light chain alkali GT-1 isoform, MYL4, MLC1

Target/Specificity

This MYL4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human MYL4.

Dilution

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

MYL4 Antibody(N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

MYL4 Antibody(N-term) - Protein Information

Name MYL4

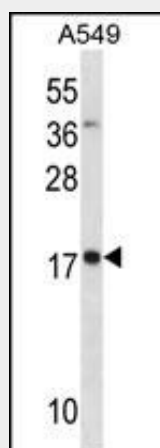
Synonyms MLC1

Function Regulatory light chain of myosin. Does not bind calcium.

MYL4 Antibody(N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MYL4 Antibody(N-term) - Images

MYL4 Antibody (N-term) (Cat. #AP19460a) western blot analysis in A549 cell line lysates (35ug/lane). This demonstrates the MYL4 antibody detected the MYL4 protein (arrow).

MYL4 Antibody(N-term) - Background

Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.

MYL4 Antibody(N-term) - References

Haase, H., et al. FASEB J. 20(7):865-873(2006)
Abdelaziz, A.I., et al. Adv. Exp. Med. Biol. 565, 283-292 (2005) :
Abdelaziz, A.I., et al. J. Mol. Med. 82(4):265-274(2004)
Arrell, D.K., et al. Circ. Res. 89(6):480-487(2001)
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