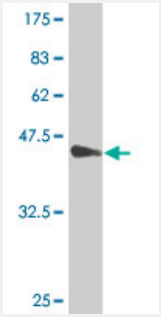
MYL4 monoclonal antibody (M01), clone 1A11-C8

Catalog # H00004635-M01 Size 100 ug

Applications



Western Blot detection against Immunogen (47.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant MYL4.
Immunogen	MYL4 (AAH30228, 1 a.a. ~ 197 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	MAPKKPEPKKEAAKPAPAPAPAPAPAPAPAPEAPKEPAFDPKSVKIDFTADQIEEFKEAFSLFD RTPTGEMKITYGQCGDVLRALGQNPTNAEVLRVLGKPKPEEMNVKMLDFETFLPILQHISRNKEQ GTYEDFVEGLRVFDKESNGTVMGAELRHVLATLGEKMTEAEVEQLLAGQEDANGCINYEAFVKHI MSG
Host	Mouse
Reactivity	Human
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (47.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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Applications

- ELISA
- Western Blot (Recombinant protein)

  Protocol Download

Gene Info — MYL4

Entrez GeneID	4635
GeneBank Accession#	BC030228
Protein Accession#	AAH30228
Gene Name	MYL4
Gene Alias	ALC1, AMLC, GT1, PRO1957
Gene Description	myosin, light chain 4, alkali; atrial, embryonic
Omim ID	160770
Gene Ontology	Hyperlink
Gene Summary	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 li ght chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and a dult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq
Other Designations	atrial/embryonic alkali myosin light chain|myosin, atrial/fetal muscle, light chain|myosin, light polyp eptide 4, alkali; atrial, embryonic

Publication Reference

- Myosin light-chain 4 gene-transfer attenuates atrial fibrosis while correcting autophagic flux dysregulation.

  Yuan Zhong, Kai Tang, Stanley Nattel, Ming Zhai, Shiyu Gong, Qing Yu, Yanxi Zeng, Guangxi E, Nuerbiyemu Maimaitiaili, Jun Wang, Yawei Xu, Wenhui Peng, Hailing Li.

  Redox Biology 2023 Jan; 60:102606.

  Application: WB, Rat, Rat atrium, Rat primary neonatal atrial cardiomyocytes (NRAMs)

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- Embryonic Essential Myosin Light Chain Regulates Fetal Lung Development in Rats.

  Santos M, Moura RS, Gonzaga S, Nogueira-Silva C, Ohlmeier S, Correia-Pinto J.

  American Journal of Respiratory Cell and Molecular Biology 2007 May; 37(3):330.

  Application: IHC-P, WB, Rat, Rat lung

Pathway

- Cardiac muscle contraction

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