

LMOD2 Antibody (N-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10364a

Specification

LMOD2 Antibody (N-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q6P5Q4
Other Accession	A1A5Q0 , Q3UHZ5 , NP_997046.1
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit Ig
Antigen Region	60-88

LMOD2 Antibody (N-term) - Additional Information

Gene ID 442721

Other Names

Leiomodrin-2, Cardiac leiomodrin, C-LMOD, LMOD2

Target/Specificity

This LMOD2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 60-88 amino acids from the N-terminal region of human LMOD2.

Dilution

WB~~1:1000
IHC-P~~1:50~100

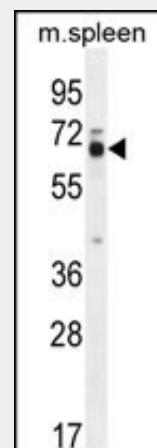
Format

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



LMOD2 Antibody (N-term) (Cat. #AP10364a) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the LMOD2 antibody detected the LMOD2 protein (arrow).



LMOD2 antibody (N-term) (Cat. #AP10364a) 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 the LMOD2 antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

LMOD2 Antibody (N-term) - References

Chereau, D., et al. Science

LMOD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

320(5873):239-243(2008)
Lane, H.Y., et al. J Clin Psychopharmacol
26(2):128-134(2006)
Conley, C.A., et al. Genomics
73(2):127-139(2001)

LMOD2 Antibody (N-term) - Protein Information

Name LMOD2

Function

Mediates nucleation of actin filaments and thereby promotes actin polymerization (PubMed:<<http://www.uniprot.org/citations/18403713>>, PubMed:<<http://www.uniprot.org/citations/26370058>>, PubMed:<<http://www.uniprot.org/citations/25250574>>, PubMed:<<http://www.uniprot.org/citations/26417072>>). Plays a role in the regulation of actin filament length (By similarity). Required for normal sarcomere organization in the heart, and for normal heart function (PubMed:<<http://www.uniprot.org/citations/18403713>>).

Cellular Location

Cytoplasm, myofibril, sarcomere.
Cytoplasm, myofibril. Cytoplasm, myofibril, sarcomere, M line. Cytoplasm, cytoskeleton.
Note=Colocalizes with actin filaments in sarcomeres. Detected close to the M line

Tissue Location

Specifically expressed in heart and skeletal muscles, with higher levels in heart (at protein level). Not expressed in other tissues.

LMOD2 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](#)

LMOD2 Antibody (N-term) - Citations

- [Leiomodlin-3-deficient mice display nemaline myopathy with fast-myofiber atrophy.](#)