10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# LMOD2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10364a

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, E |
| **Primary Accession** | Q6P5Q4 |
| **Other Accession** | A1A5Q0, Q3UHZ5, NP_997046.1 |
| **Reactivity** | Human, Mouse |
| **Predicted** | Rat, Bovine, Canine, Rabbit |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB27976 |
| **Calculated MW** | 61675 |
| **Antigen Region** | 60-88 |

## Additional Information

| | |
|---|---|
| **Gene ID** | 442721 |
| **Other Names** | Leiomodin-2, Cardiac leiomodin, 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~~1:100~500 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** | LMOD2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

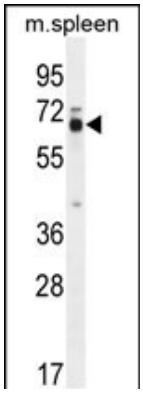
| | |
|---|---|
| **Name** | LMOD2 |
| **Function** | Mediates nucleation of actin filaments and thereby promotes actin polymerization (PubMed:18403713, PubMed:25250574, PubMed:26370058, PubMed:26417072). Plays a role in the regulation of actin filament length (By |

| | |
|---|---|
| | similarity). Required for normal sarcomere organization in the heart, and for normal heart function (PubMed: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. |

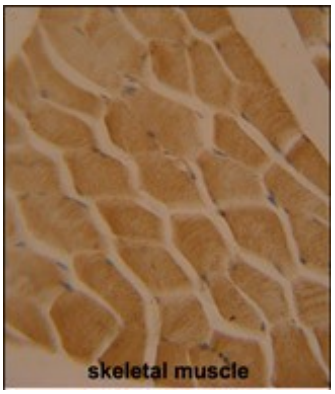
## References


Chereau, D., et al. Science 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)


## Images




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.

## Citations

- Leiomodin-3-deficient mice display nemaline myopathy with fast-myofiber atrophy.


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