



## Rabbit Anti-LMOD2 antibody

SL18316R

<b>Product Name:</b>	LMOD2
<b>Chinese Name:</b>	平滑肌蛋白LMOD2抗体
<b>Alias:</b>	C-LMOD; Cardiac leiomodoin; Leiomodoin 2 (cardiac); Leiomodoin-2; LMOD2; LMOD2 HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Pig,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	62kDa
<b>Cellular localization:</b>	cytoplasmic
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human LMOD2:451-547/547
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	Members of the Leiomodoin protein family are closely related to the tropomodulin family of actin filament pointed end-capping proteins. Leiomodins are actin-binding proteins that act as strong filament nucleators in muscle cells. Leiomodoin 1 is highly expressed in a variety of tissues that contain smooth muscle, therefore it is also known as smooth muscle Leiomodoin, or SM-Lmod. Also designated C-Lmod, Leiomodoin 3 is found in several types of fetal tissue and is involved in tropomyosin binding. Leiomodoin

2, also known as C-LMOD or LMOD2, is a 547 amino acid protein that is specifically expressed in heart and skeletal muscles. Leiomodlin 2 binds to tropomyosin and may block the elongation and depolymerization of actin filaments at their pointed end. Leiomodlin 2 is encoded by a gene that is located near the hypertrophic cardiomyopathy locus CMH6 on chromosome 7, suggesting that Leiomodlin 2 may be involved in that disease process. Leiomodlin 2 is expressed as three alternatively spliced variants.

**Function:**

May block the elongation and depolymerization of the actin filaments at the pointed end.

**Tissue Specificity:**

Specifically expressed in heart and skeletal muscles. Not expressed in other tissues.

**Similarity:**

Belongs to the tropomodulin family.  
Contains 1 WH2 domain.

**SWISS:**

Q6P5Q4

**Gene ID:**

442721

**Database links:**

[Entrez Gene: 442721](#) Human

[Entrez Gene: 93677](#) Mouse

[Omim: 608006](#) Human

[SwissProt: Q6P5Q4](#) Human

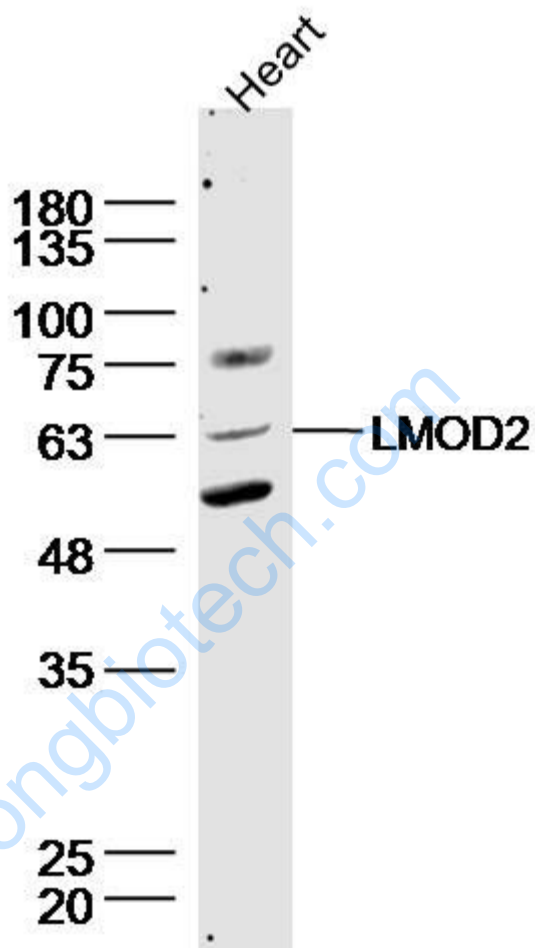
[SwissProt: Q3UHZ5](#) Mouse

[Unigene: 592260](#) Human

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample: Heart (mouse) Lysate at 40 ug

Primary: Anti-LMOD2 (SL18316R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 62 kD

Observed band size: 62 kD