

Rabbit LMOD2 Polyclonal Antibody | anti-LMOD2 antibody

LMOD2 Antibody (N-term)

CATALOG # AAA284455	HOST Rabbit	REACTIVITY Human, mouse (Predicted Reactivity: Rat)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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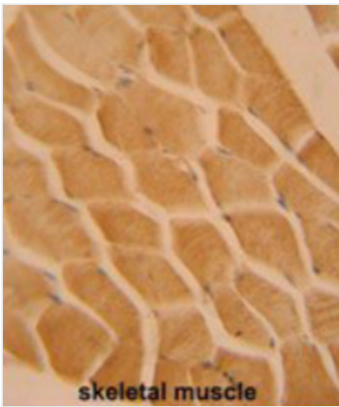
PRODUCT SYNONYMS

LMOD2; Polyclonal Antibody; LMOD2 Antibody (N-term); Leiomodrin-2; Cardiac leiomodrin; C-LMOD; anti-LMOD2 antibody

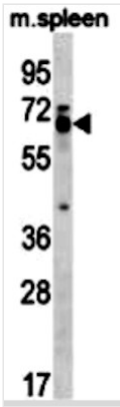
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse (Predicted Reactivity: Rat)
Clonality	Polyclonal
Isotype	Rabbit IgG
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.
Purity/Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Sequence Positions	60-88
Applicable Applications for anti-LMOD2 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Function	Mediates nucleation of actin filaments and thereby promotes actin polymerization (PubMed:18403713, PubMed:26370058, PubMed:25250574, 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.
Preparation and 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.

IMAGES



IHC (Immunohiostchemistry)
LMOD2 antibody (N-term) 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.



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

ADDITIONAL INFORMATION

Product Categories/Family for anti-LMOD2 antibody	Developmental Biology; Signal Transduction
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	150378503
NCBI GeneID	442721
NCBI Accession #	NP_997046.1
NCBI GenBank Nucleotide #	NM_207163.1
UniProt Accession #	Q6P5Q4; Q8WVJ8; A4D0W9; A4D0Y2
NCBI Official Full Name	leiomodins-2
NCBI Official Synonym Full Names	leiomodins 2 (cardiac)
NCBI Official Symbol	LMOD2
NCBI Official Synonym Symbols	CLMOD; C-LMOD
NCBI Protein Information	leiomodins-2
UniProt Protein Name	Leiomodins-2
UniProt Gene Name	LMOD2
UniProt Synonym Gene Names	C-LMOD
UniProt Entry Name	LMOD2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.