

Rabbit LMOD3 Polyclonal Antibody | anti-LMOD3 antibody

LMOD3 Antibody

CATALOG # AAA322884	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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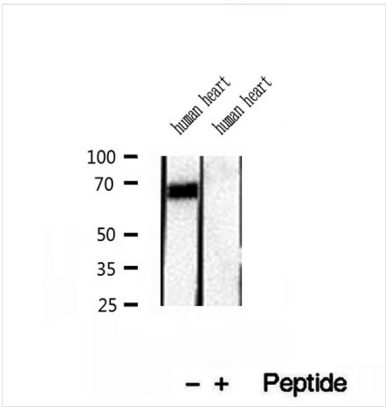
PRODUCT SYNONYMS

LMOD3; Polyclonal Antibody; LMOD3 Antibody; fetal form; Leiomodrin; Leiomodrin-3; LMOD3_HUMAN; anti-LMOD3 antibody

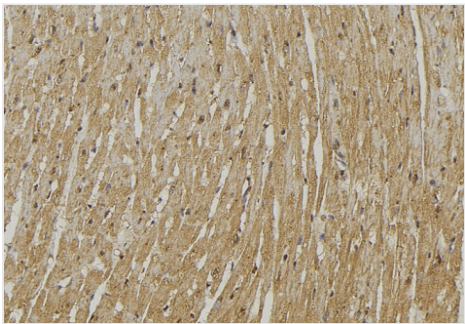
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	LMOD3 antibody detects endogenous levels of LMOD3.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	560
Applicable Applications for anti-LMOD3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human LMOD3.
Subcellular Location	Cytoplasm > Cytoskeleton.
Tissue Specificity	Expressed in cardiac and at higher levels in skeletal muscles (at protein level).
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of human heart tissue, using LMOD3 antibody.



IHC (Immunohistochemistry)
AAA322884 at 1/100 staining Mouse muscle tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-LMOD3 antibody	Function: Essential for the organization of sarcomeric actin thin filaments in skeletal muscle (PubMed:25250574). Increases the rate of actin polymerization (PubMed:25250574). Subunit Structure: May interact with tropomyosin alpha (TPM1/2) N-terminus (PubMed:25250574). Interacts with KLHL40; leading to stabilization (By similarity). Post-translational Modifications: Ubiquitinated, leading to its degradation. Interaction with KLHL40 negatively regulates ubiquitination and degradation. Similarity: Belongs to the tropomodulin family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	749502313
NCBI GeneID	56203
NCBI Accession #	NP_001291347.1
NCBI GenBank Nucleotide #	NM_001304418.1
UniProt Accession #	Q0VAK6; Q0JTT2; Q5JPG6; Q8IUK4; Q96LS4; B4DT85
Molecular Weight	Observed: 65-70 kDa Predicted: 65 kDa
NCBI Official Full Name	leiomodrin-3
NCBI Official Synonym Full Names	leiomodrin 3
NCBI Official Symbol	LMOD3
NCBI Official Synonym Symbols	NEM10
NCBI Protein Information	leiomodrin-3
UniProt Protein Name	Leiomodrin-3
UniProt Gene Name	LMOD3

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.