

Anti-LEMD2 Antibody

Catalog Number: A09079

About LEMD2

The LEM (lamina-associated polypeptide-emerin-MAN1) domain is a motif shared by a group of lamin-interacting proteins of the inner nuclear membrane (INM) and nucleoplasm. One such protein, LEMD2 (LEM domain-containing protein 2), is a lamina-associated protein in the INM involved in nuclear structure organization, containing an N-terminal LEM motif, two transmembrane domains, and a MAN1-Src1p C-terminal (MSC) domain. LEMD2 is a truncated paralog of MAN1, lacking the MAN1-specific C-terminal RNA-recognition motif, but like MAN1 is required for myogenic differentiation. Mutations in LEMD2 are thought to be among the possible causes of muscle disease.

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Overview

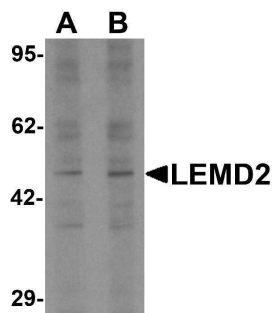
Product Name	Anti-LEMD2 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-LEMD2 Antibody (Catalog # A09079). Tested in ELISA, WB, ICC, IF applications. This antibody reacts with Human, Mouse.
Application	ELISA, IF, ICC, WB
Clonality	Polyclonal
Formulation	LEMD2 Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8NC56

Technical Details

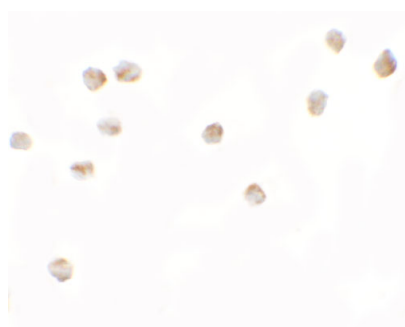
Immunogen	LEMD2 antibody was raised against a 16 amino acid synthetic peptide near the center of human LEMD2. The immunogen is located within amino acids 220 - 270 of LEMD2.
Predicted Reactive Species	Bovine
Cross Reactivity	At least two isoforms of LEMD2 are known to exist; this antibody will detect only the longer isoform.

Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	LEMD2 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	LEMD2 antibody can be used for detection of LEMD2 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 2.5 ug/mL. For immunofluorescence start at 2.5 ug/mL. Antibody validated: Western Blot in human samples; Immunocytochemistry in mouse samples and Immunofluorescence in mouse samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

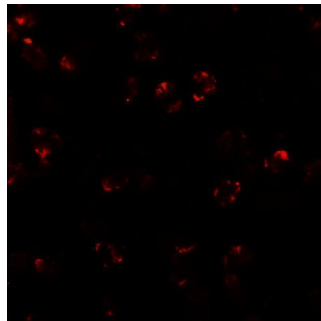
Anti-LEMD2 Antibody (A09079) Images



Western blot analysis of LEMD2 in 293 cell lysate with LEMD2 antibody at (A) 1 and (B) 2 ug/mL.



Immunocytochemistry of LEMD2 in 3T3 cells with LEMD2 antibody at 2.5 ug/mL.



Immunofluorescence of LEMD2 in 3T3 cells with LEMD2 antibody at 20 ug/mL.

[Anti-LEMD2 Antibody](#)

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