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## Datasheet for ABIN6991701 **anti-LEMD2 antibody (AA 220-270)**

### Overview

Quantity:	0.1 mg
Target:	LEMD2
Binding Specificity:	AA 220-270
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This LEMD2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunocytochemistry (ICC), Immunofluorescence (IF)

### Product 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.
Isotype:	IgG
Specificity:	At least two isoforms of LEMD2 are known to exist, this antibody will detect only the longer isoform.
Purification:	LEMD2 Antibody is affinity chromatography purified via peptide column.

### Target Details

Target:	LEMD2
Alternative Name:	LEMD2 ( <a href="#">LEMD2 Products</a> )

## Target Details

**Background:** LEMD2 Antibody: 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.

**Gene ID:** 221496

**NCBI Accession:** [NP\\_851853](#)

**UniProt:** [Q8NC56](#)

## Application Details

**Application Notes:** LEMD2 antibody can be used for detection of LEMD2 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunocytochemistry starting at 2.5 µg/mL. For immunofluorescence start at 2.5 µg/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.

**Restrictions:** For Research Use only

## Handling

**Format:** Liquid

**Concentration:** 1 mg/mL

**Buffer:** LEMD2 Antibody is supplied in PBS containing 0.02 % sodium azide.

**Preservative:** Sodium azide

**Precaution of Use:** This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

**Storage:** -20 °C, 4 °C

**Storage Comment:** LEMD2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should

not be exposed to prolonged high temperatures.