

Datasheet for 600-401-CJ2**LEMD2 Antibody****Overview**

Description:	Anti-LEMD2 (RABBIT) Antibody - 600-401-CJ2
Item No.:	600-401-CJ2
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	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.
Synonyms:	LEMD2 Antibody, NET25, dJ482C21.1, LEM domain-containing protein 2, hLEM2
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	LEMD2
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-LEMD2 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 16 amino acid synthetic peptide near the internal region of human LEMD2.

Purity/Specificity:	Anti-LEMD2 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least two isoforms of LEMD2 are known to exist; this antibody will detect only the longer isoform.
Relevant Links:	• UniProtKB - Q8NC56 • GeneID - 221496 • NCBI - NP_851853

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-LEMD2 Antibody has been tested for use in ELISA, Western Blotting, Immunocytochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 57 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000-1:20,000
IF:	2.5 µg/mL
WB:	1-2 µg/mL

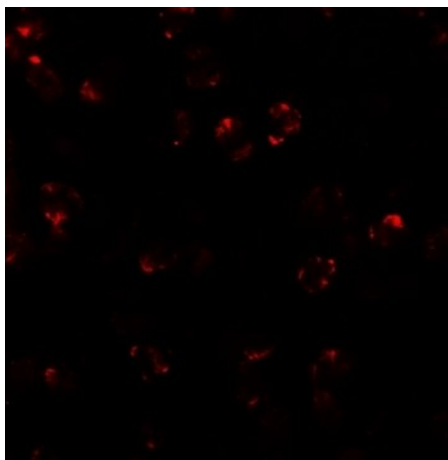
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

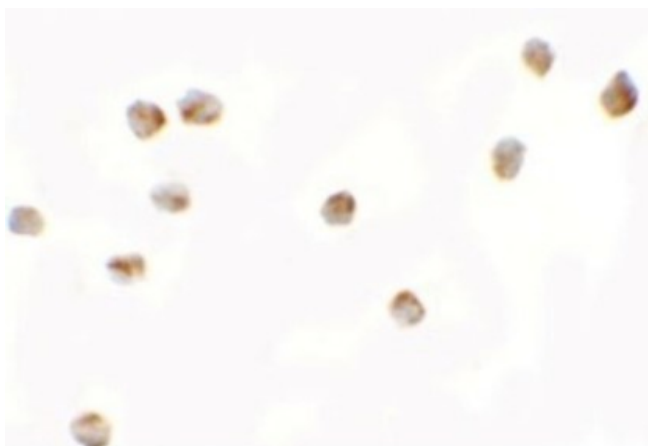


Immunofluorescence Microscopy

Immunofluorescence of LEMD2.

Cell: 3T3 cells.

Primary Antibody: LEMD2 antibody at 20 µg/mL.

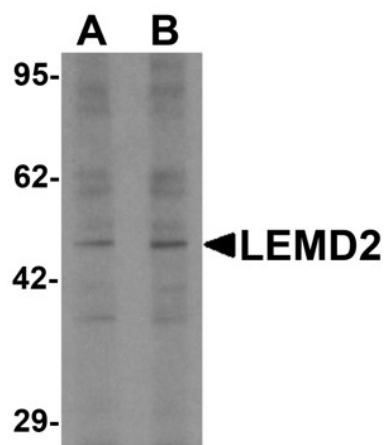


Immunocytochemistry

Immunocytochemistry of LEMD2.

Cell: 3T3 cells.

Primary Antibody: LEMD2 antibody at 2.5 µg/mL.



Western Blot

Western blot analysis of LEMD2.

Load: 293 cell lysate.

Primary Antibody: LEMD2 antibody at (A) 1 and (B) 2 µg/mL.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.