

Datasheet for 600-401-CU8**MLIP Antibody****Overview**

Description:	Anti-MLIP (RABBIT) Antibody - 600-401-CU8
Item No.:	600-401-CU8
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	The muscle-enriched A-type lamin-interacting protein (MLIP) is ubiquitously expressed, although most predominantly in heart, skeletal and smooth muscle, and interacts directly and co-localizes with lamin A and C in the nuclear envelope. MLIP also co-localizes with promyelocytic leukemia (PML) bodies within the nucleus. Decreasing lamin A/C expression with siRNA results in the upregulation and mislocalization of MLIP, suggesting that MLIP localization to the nuclear envelope is dependent on the lamin proteins. It has been suggested that MLIP may function as a tethering protein linking LMNA to factors within the nuclear envelope of within PML bodies
Synonyms:	MLIP Antibody, C6orf142, C6orf142, Muscular LMNA-interacting protein, Muscular-enriched A-type laminin-interacting protein
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

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

Purity/Specificity: Anti-MLIP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. At least three isoforms of MLIP are known to exist.

Relevant Links:

- [UniProtKB - Q5VWP3](#)
- [GeneID - 90523](#)
- [NCBI - NP_612636](#)

Application Details

Tested Applications: ELISA, IF, IHC, WB

Application Note: Anti-MLIP Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 50 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

IF: 20 µg/mL

IHC: 5 µg/mL

WB: 1 µg/mL

Formulation

Physical State: Liquid (sterile filtered)

Concentration: 1 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

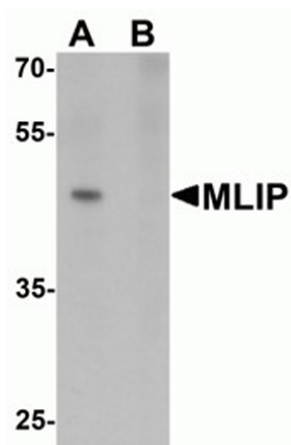
Shipping & Handling

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

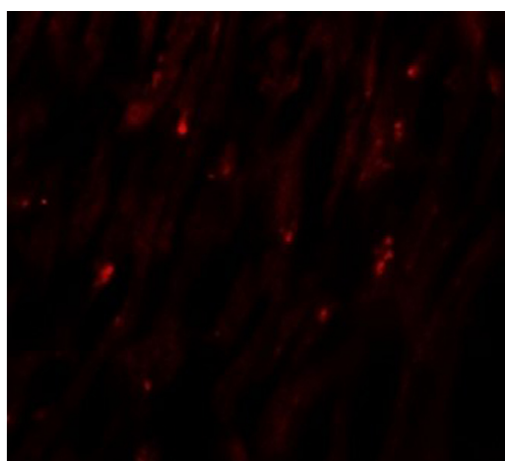


Western Blot

Western blot analysis of MLIP.

Load: 293 cell lysate.

Primary Antibody: MLIP antibody at 1 $\mu\text{g/mL}$ in (A) the absence and (B) the presence of blocking peptide.

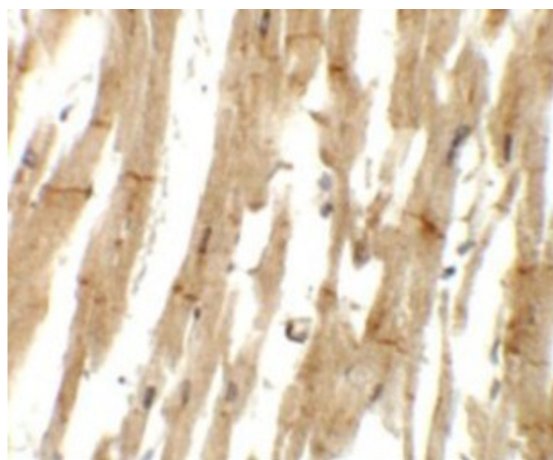


Immunofluorescence Microscopy

Immunofluorescence of MLIP.

Tissue: human heart tissue.

Primary Antibody: MLIP antibody at 20 $\mu\text{g/mL}$.



Immunohistochemistry

Immunohistochemistry of MLIP.

Tissue: human heart tissue.

Primary Antibody: MLIP antibody at 5 $\mu\text{g/mL}$.

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.