

Datasheet for 600-401-CW9

MYOZAP Antibody

Overview

Description:	Anti-MYOZAP (RABBIT) Antibody - 600-401-CW9
Item No.:	600-401-CW9
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	MYOZAP, also known as GRINL1A, is a 54 kDa highly conserved cardiac protein. It is strongly expressed in the heart and lung and is a novel component of intercalated disc. MYOZAP interacts with myosin phosphatase-RhoA interacting protein (MRIP) and acts as an activator of Rho-dependent SRF signaling. Knockdown study in zebrafish results in cardiomyopathy with severe dysfunction. The MYOZAP gene is part of a complex transcript unit that includes the gene for glutamate receptor, ionotropic, N-methyl D-aspartate-like 1A (GRINL1A). Transcription of this gene occurs at an upstream promoter, with two different groups of alternatively spliced variants: Gup for GRINL1A upstream transcripts and Gcom for GRINL1A combined transcripts.
Synonyms:	MYZAP, MYOZAP Antibody, MYZAP-POLR2M, Myocardial zonula adherens protein, GRINL1A upstream protein, Gup, Myocardium-Enriched Zonula Adherens Protein, Myocardium-Enriched Zonula Occludens-1-Associated Protein, Myocardium-Enriched ZO1-Associated Protein, Myocardial Intercalated Disc Protein, GCOM1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	MYZAP
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide

Immunogen:	Anti-MYOZAP antibody was prepared from whole rabbit serum produced by repeated immunizations with a 18 amino acid synthetic peptide near the C-terminus of human MYOZAP.
Purity/Specificity:	Anti-MYOZAP Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Multiple isoforms of MYOZAP are known to exist.
Relevant Links:	<ul style="list-style-type: none">• UniProtKB - P0CAP1• GeneID - 145781• NCBI - NP_001018110

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-MYOZAP 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 54 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:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

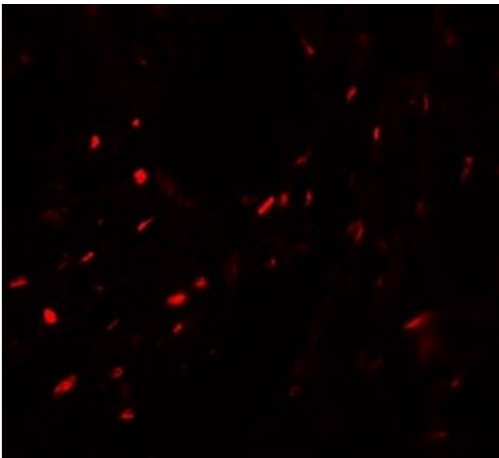
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
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Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images

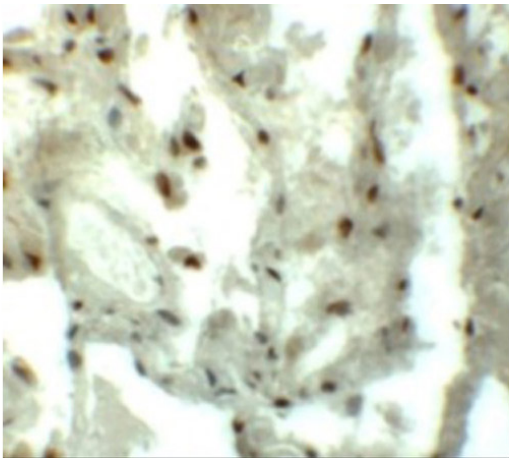


Immunofluorescence Microscopy

Immunofluorescence of MYOZAP.

Tissue: human lung tissue.

Primary Antibody: MYOZAP antibody at 20 µg/mL.

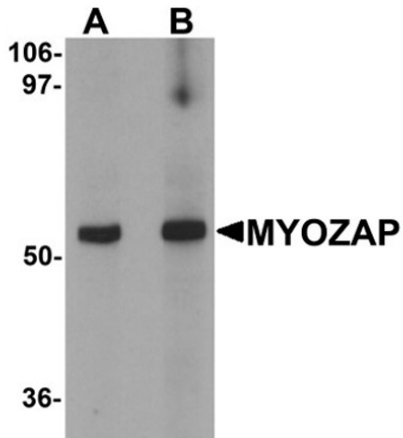


Immunohistochemistry

Immunohistochemistry of MYOZAP.

Tissue: human lung tissue.

Primary Antibody: MYOZAP antibody at 5 µg/mL.

**Western Blot**

Western blot analysis of MYOZAP.

Load: rat kidney tissue lysate.

Primary Antibody: MYOZAP antibody at (A) 1 μ g/mL and (B) 2 μ 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.