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www.rockland.com
tech@rockland.com
+1 484.791.3823

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:	• 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

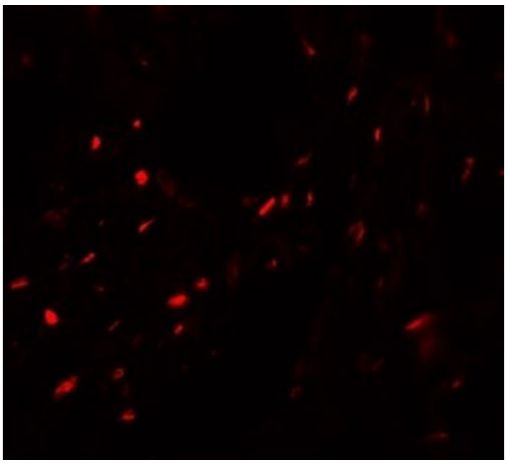
Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/ml by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

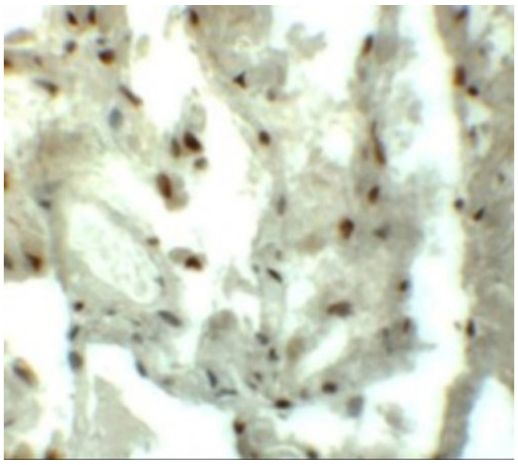
Shipping Condition:	Dry Ice

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.

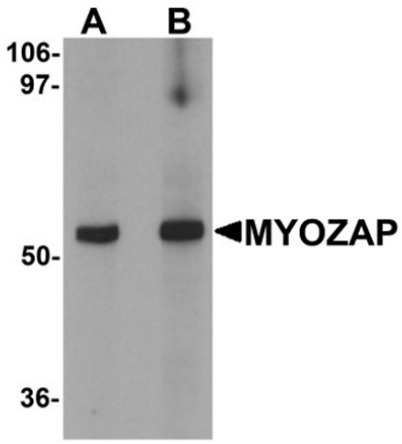
Images



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) 1µg/mL and (B) 2µg/mL.

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