

## MYOZAP Antibody

Catalog No: #25275

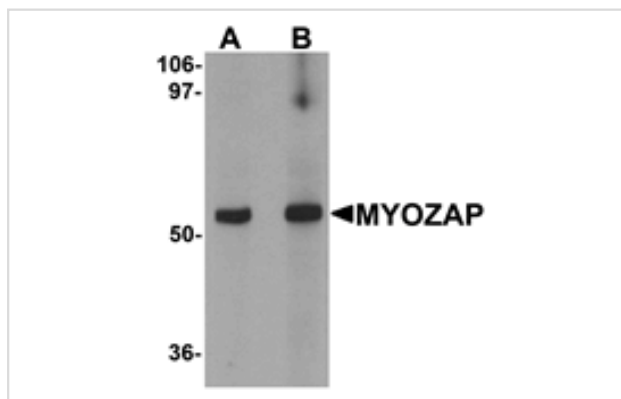
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## Description

Product Name	MYOZAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	E WB
Species Reactivity	Hu Ms Rt
Specificity	Multiple isoforms of MYOZAP are known to exist.
Immunogen Type	Peptide
Immunogen Description	Raised against a 18 amino acid peptide near the carboxy terminus of human MYOZAP.
Target Name	MYOZAP
Other Names	Myocardium-enriched zonula occludens-10 interacting protein, glutamate receptor ionotropic N-methyl D-aspartate-like 1A, GRINL1A, GCOM1, Gup, Gup1
Accession No.	NP_001018110
Formulation	Supplied in PBS containing 0.02% sodium azide.
Storage	Can be stored at -20°C, stable for 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.

## Images



Western blot analysis of MYOZAP in rat kidney tissue lysate with MYOZAP antibody at (A) 1 and (B) 2 ug/mL.

## 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.

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.