

MYOZAP Antibody

Catalog No: #25275

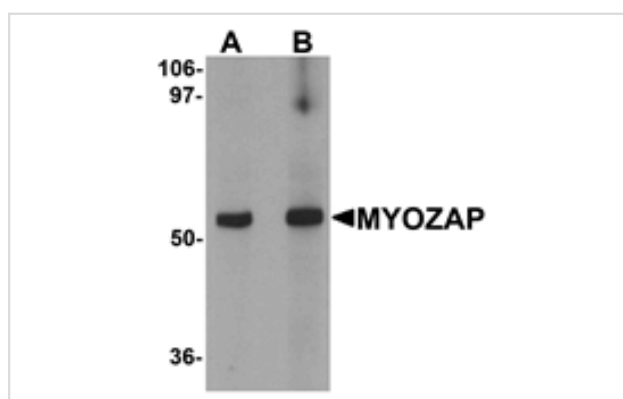
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Description

Product Name	MYOZAP Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Affinity chromatography purified via peptide column
Applications	ELISA 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.	Swiss-Prot:P0CAP1 Gene ID:100820829
Uniprot	P0CAP1
GeneID	100820829;145781;81488;
Concentration	1mg/ml
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.

Note: This product is for in vitro research use only