

Anti-MYOZAP MYZAP Antibody

Catalog Number: A13349

About MYZAP

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.

Overview

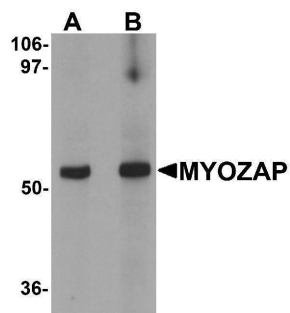
Product Name	Anti-MYOZAP MYZAP Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-MYOZAP MYZAP Antibody (Catalog # A13349). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	MYOZAP Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	MYOZAP antibody can be stored at 4°C for three months and -20°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	P0CAP1

Technical Details

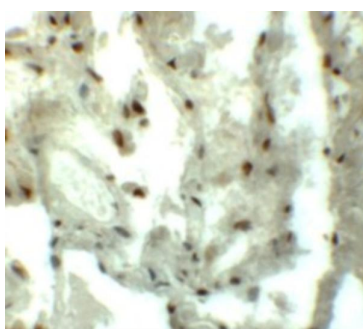
Immunogen	MYOZAP antibody was raised against a 18 amino acid synthetic peptide near the carboxy terminus of human MYOZAP. The immunogen is located within amino acids 400 - 450 of MYOZAP.
Predicted Reactive Species	Bovine
Cross Reactivity	Multiple isoforms of MYOZAP are known to exist.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	MYOZAP Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	MYOZAP antibody can be used for detection of MYOZAP by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in rat samples; Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

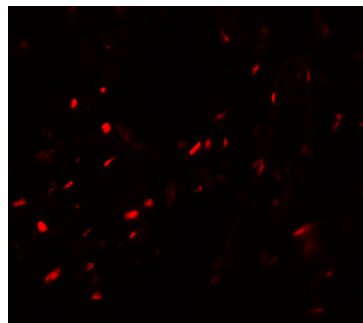
Anti-MYOZAP MYZAP Antibody (A13349) Images



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



Immunohistochemistry of MYOZAP in human lung tissue with MYOZAP antibody at 5 ug/mL.



Immunofluorescence of MYOZAP in human lung tissue with MYOZAP antibody at 20 ug/mL.

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Anti-MYOZAP MYZAP Antibody

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