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Datasheet for ABIN6991501 anti-MYZAP antibody (C-Term)

Overview

Quantity:	0.1 mg
Target:	MYZAP
Binding Specificity:	AA 400-450, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYZAP antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product 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.
Isotype:	IgG
Specificity:	Multiple isoforms of MYOZAP are known to exist.
Purification:	MYOZAP Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	MYZAP
Alternative Name:	MYOZAP (MYZAP Products)

Target Details

Background: MYOZAP Antibody: 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.

Gene ID: 100820829

NCBI Accession: [NP_001018110](#)

UniProt: [P0CAP1](#)

Application Details

Application Notes: MYOZAP antibody can be used for detection of MYOZAP by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL. For immunofluorescence start at 20 µg/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.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: MYOZAP Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C, 4 °C

Storage Comment: MYOZAP antibody can be stored at 4°C for three months and -20°C, stable for up to 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.