Product datasheet

anti-Myozap mouse monoclonal, 517.67, supernatant

Short overview

Cat. No.	651169
Quantity	5 ml

Product description

Host	Mouse
Antibody Type	Monoclonal
Isotype	IgG1
Clone	517.67
Immunogen	Synthetic peptide of human myozap (myocardium zonula adherens protein)
Formulation	Contains 0.09% sodium azide
UniprotID	P0CAP1 (Human)
Synomym	Myocardial zonula adherens protein, GRINL1A upstream protein, Gup, MYZAP, MYOZAP
Conjugate	Unconjugated
Purification	Hybridoma cell culture supernatant
Storage	Short term at 2-8°C; long term storage in aliquots at -20°C; avoid freeze/thaw cycles
Intended use	Research use only
Application	ICC/IF, IEM, IHC, IP, WB
Reactivity	Bovine, Human, Mouse, Pig, Rat

Applications

Immunocytochemistry (ICC)	Ready-to-use
Cell-based Assay	Assay dependent
Immunohistochemistry (IHC) - frozen	Ready-to-use
Immunohistochemistry (IHC) - paraffin	Ready-to-use (microwave treatment with 100 mM Tris pH 9.5, 5% urea buffer; 10 min at 120°C recommended)
Immunoprecipitation (IP)	Assay dependent
Western Blot (WB)	1:10-1:50

Background

Detects myozap (myocardium zonula adherens protein), a major 54 kDa polypeptide present in myocardial junctions (composite junctions in the intercalated disks), also localized in adherens type junctions of the entire cardiovascular system and in endothelia of the blood and lymph vascular systems.Reactivity on cultured cell lines: HL-1, HUVEC.Positive control: myocard.

Product images

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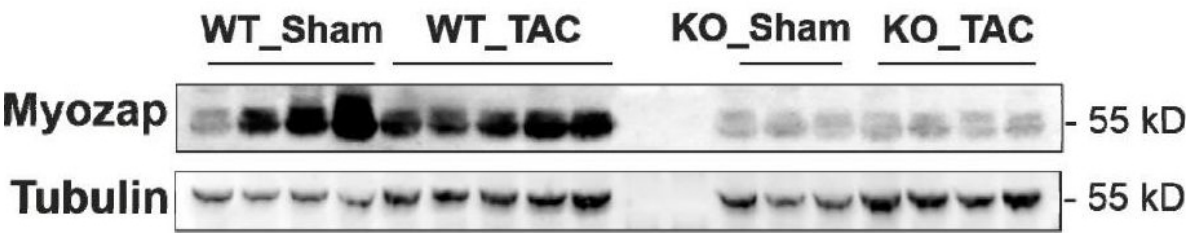

Borlepawar, A., Schmiedel, N., et al. Dysbindin deficiency Alters Cardiac BLOC-1 Complex and Myozap Levels in Mice. Cells. 2020-10-31.

Species/Reactant: Mus musculus (House mouse)Applications: Western BlottingImage collected and cropped by CiteAb from the following publication, provided under a CC-BY licence.

References

Publication	Species	Application
Borlepawar, A. et al. Dysbindin deficiency Alters Cardiac BLOC-1 Complex and Myozap Levels in Mice. Cells 9, (2020).	mouse	WB
Domke, L and Franke, W. The cell-cell junctions of mammalian testes.., Cell Tissue Res, 375, 451-482, (2019)	pig	ICC-IF
Abreu-Velez, A. et al. Involvement of the Areae Compositae of the Heart in Endemic Pemphigus Foliaceus. Dermatol.Pract.Concept. 9, 181-186 (2019)	human	IHC-IF (frozen)
Abreu-Velez, A. et al. Patients affected by endemic pemphigus foliaceus in Colombia, South America exhibit autoantibodies to optic nerve sheath envelope cell junctions. Dermatol.Pract.Concept. 8, 1-6 (2018).	human	ICC-IF
Rangrez, A. Y. et al. Dysbindin is a potent inducer of RhoA-SRF-mediated cardiomyocyte hypertrophy. J. Cell Biol. 203, 643-656 (2013).	human	WB,ICC-IF