

Anti-Troponin T/TNNT1/TNNT2/TNNT3 Antibody (Monoclonal, JLT-12)

Catalog Number: MA1098

About Tnnt3

The troponin complex is located on the thin filament of striated muscle and is composed of 3 component polypeptides: troponin 1, troponin T and troponin C. Three troponin T genes have been described on the basis of molecular cloning in humans and other vertebrates. These are expressed in a tissue-specific manner and encode the troponin T isoforms expressed in slow skeletal muscle (TNNT1), cardiac muscle (TNNT2), and fast skeletal muscle (TNNT3). TNNT1, TNNT2, TNNT3 are located on 19q13.4, 1q32, 11p15.5 respectively.

Overview

Product Name	Anti-Troponin T/TNNT1/TNNT2/TNNT3 Antibody (Monoclonal, JLT-12)
Reactive Species	Chicken, Rabbit, Rat
Description	Boster Bio Anti-Troponin T/TNNT1/TNNT2/TNNT3 Antibody (Monoclonal, JLT-12) catalog # MA1098. Tested in IHC, WB applications. This antibody reacts with Chicken, Rabbit, Rat.
Application	IHC, WB
Clonality	Monoclonal JLT-12
Formulation	Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN ₃ as preservative.
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	P09739

Technical Details

Immunogen	Troponin T from rabbit skeletal muscle.
Predicted Reactive Species	Bovine
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Mouse IgG (EK1001) for Western blot, and HRP Conjugated anti-Mouse IgG Super Vision Assay Kit (SV0001-1) for IHC(P) and IHC(F).
Cross Reactivity	No cross reactivity with other proteins
Isotype	Mouse IgG1
Form	Lyophilized
Concentration	Adding 1 ml of PBS buffer will yield a concentration of 100 ug/ml.
Purification	Ascites

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

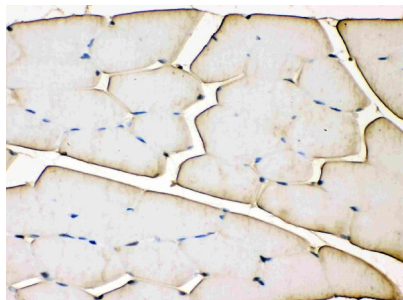
Boster Bio's internal QC testing used:

Immunohistochemistry (Paraffin-embedded Section), 4-8ug/ml, Rat, rabbit, chicken, By Heat

Immunohistochemistry (Frozen Section), 4-8ug/ml, Rat, rabbit, chicken, -

Western blot, 2-4ug/ml, Rat, rabbit, chicken

Anti-Troponin T/TNNT1/TNNT2/TNNT3 Antibody (Monoclonal, JLT-12) (MA1098) Images



Anti-Troponin T antibody, MA1098, IHC(P)
IHC(P): Rat Skeletal Muscle Tissue

1 Publications Citing This Product

1. PubMed ID: 21476855, Qian Q, Qian H, Zhang X, Zhu W, Yan Y, Ye S, Peng X, Li W, Xu Z, Sun L, Xu W. Stem Cells Dev. 2012 Jan;21(1):67-75. Doi: 10.1089/Scd.2010.0519. Epub 2011 Jun 1. 5-Azacytidine Induces Cardiac Differentiation Of Human Umbilical Cord-Derived Mesenchy...

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