

Anti-Troponin T Antibody (Monoclonal, JLT-12)
Catalog # ABO10482**Specification**

Anti-Troponin T Antibody (Monoclonal, JLT-12) - Product Information

Application	IHC
Primary Accession	P09739
Host	Mouse
Isotype	Mouse IgG1
Reactivity	Rat
Clonality	Monoclonal
Format	Lyophilized

Description

Mouse IgG monoclonal antibody for Troponin T, troponin T type 1 (skeletal, slow); troponin T type 2 (cardiac); troponin T type 3 (skeletal, fast) (TNNT1; TNNT2; TNNT3) detection. Tested with WB, IHC-P, IHC-F in Rat;rabbit;chicken. No cross reactivity with other proteins.

Reconstitution

Add 1ml of PBS buffer will yield a concentration of 100ug/ml.

Anti-Troponin T Antibody (Monoclonal, JLT-12) - Additional Information

Gene ID 24838

Other Names

Troponin T, fast skeletal muscle, TnTf, Fast skeletal muscle troponin T, fTnT, Tnnt3

Calculated MW

30750 MW KDa

Application Details

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

Immunohistochemistry(Frozen Section), 4-8 µg/ml, Rat, rabbit, chicken, -
Western blot, 2-4 µg/ml, Rat, rabbit, chicken

Protein Name

Troponin T, slow skeletal muscle; Troponin T, cardiac muscle; Troponin T, fast skeletal muscle

Contents

Mouse ascites fluid, 1.2% sodium acetate, 2mg BSA, with 0.01mg NaN₃ as preservative.

Immunogen

Troponin T from rabbit skeletal muscle.

Purification

Ascites

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the troponin T family.

Anti-Troponin T Antibody (Monoclonal, JLT-12) - Protein Information

Name Tnnt3

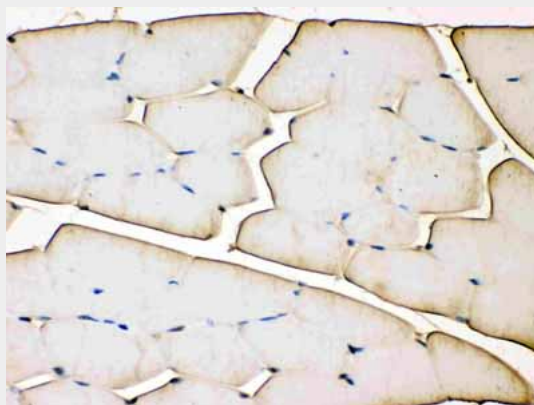
Function

Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Anti-Troponin T Antibody (Monoclonal, JLT-12) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-Troponin T Antibody (Monoclonal, JLT-12) - Images

Anti-Troponin T antibody, ABO10482, IHC(P)IHC(P): Rat Skeletal Muscle Tissue

Anti-Troponin T Antibody (Monoclonal, JLT-12) - Background

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.