

Anti-cardiac Troponin C Antibody
Catalog # ABO11085**Specification**

Anti-cardiac Troponin C Antibody - Product Information

Application	WB, IHC-P
Primary Accession	P63316
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Troponin C, slow skeletal and cardiac muscles(TNNC1) detection. Tested with WB, IHC-P in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-cardiac Troponin C Antibody - Additional Information

Gene ID 7134

Other Names

Troponin C, slow skeletal and cardiac muscles, TN-C, TNNC1, TNNC

Calculated MW

|signal transduction|cytoskeleton / ecm|cytoskeleton|microfilaments|actin etc|troponin|

cardiovascular|heart|contractility|contractile proteins KDa

Application Details

Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Human, Rat, Mouse, By Heat
Western blot, 0.1-0.5 µg/ml, Rat, Human, Mouse

Subcellular Localization

Troponin C, slow skeletal and cardiac muscles

Tissue Specificity

18403 MW

Source

Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of human cardiac Troponin C(1-18aa MDDIYKAAVEQLTEEQKN), identical to the related rat and mouse sequences .

Purification

Immunogen affinity purified.

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.

Anti-cardiac Troponin C Antibody - Protein Information

Name TNNC1

Synonyms TNNC

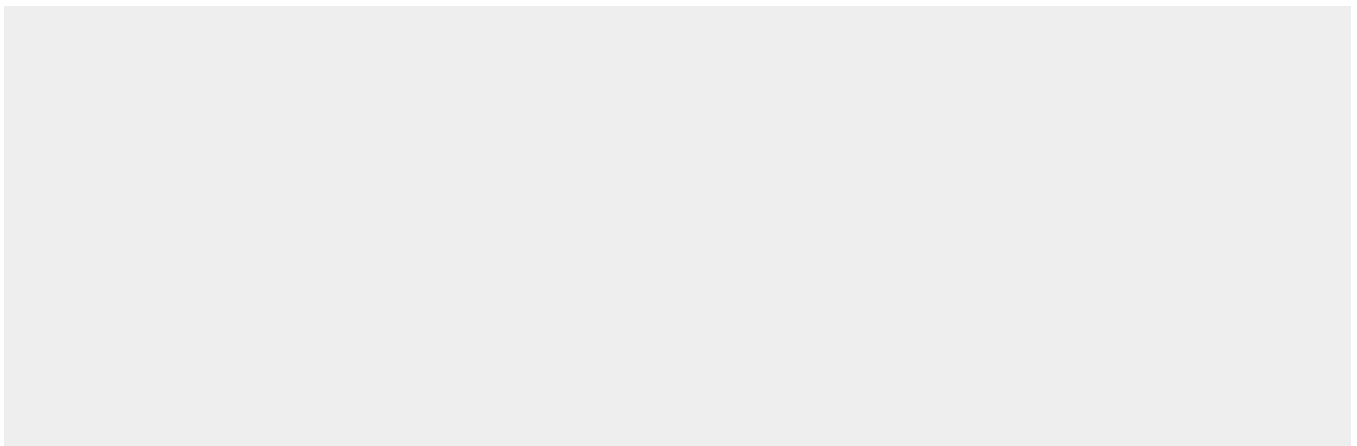
Function

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Anti-cardiac Troponin C Antibody - Protocols

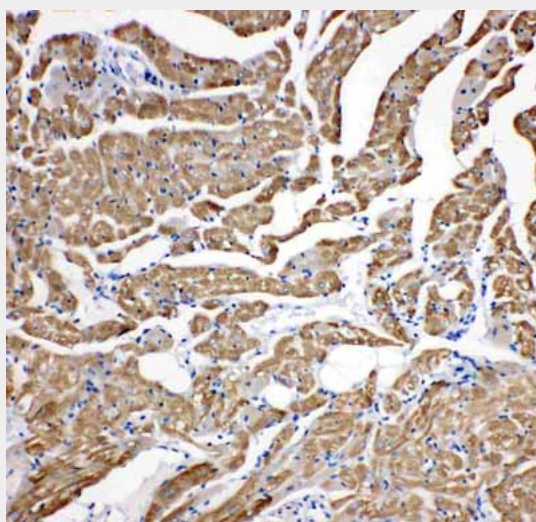
Provided below are standard protocols that you may find useful for product applications.

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

Anti-cardiac Troponin C Antibody - Images



Anti-cardiac Troponin C antibody, ABO11085, Western blotting All lanes: Anti cardiac Troponin C (ABO11085) at 0.5ug/ml WB: Rat Skeletal Muscle Tissue Lysate at 50ug Predicted bind size: 18KD Observed bind size: 18KD



Anti-cardiac Troponin C antibody, ABO11085, IHC(P) IHC(P): Rat Cardiac Muscle Tissue

Anti-cardiac Troponin C Antibody - Background

Troponin C1 (TNNC1) (troponin C type 1 (slow)), also called TROPONIN C, SLOW-TWITCH SKELETAL MUSCLE or TNC, is a protein that in humans is encoded by the TNNC1 gene. Using a monochromosomal hybrid panel