

Anti-cardiac Troponin C Antibody

Catalog # ABO11085

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.

Additional Information

Gene ID	7134
Other Names	Troponin C, slow skeletal and cardiac muscles, TN-C, TNNC1, TNNC
Calculated MW	18403
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 μ g/ml, Human, Rat, Mouse, By Heat Western blot, 0.1-0.5 μ g/ml, Rat, Human, Mouse
Subcellular Localization	Troponin C, slow skeletal and cardiac muscles
Tissue Specificity	18403 MW
Source	Eukaryota
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ .
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 r ° Constitution, 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.

Protein Information

Name	TNNC1
Synonyms	TNNC
Function	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.

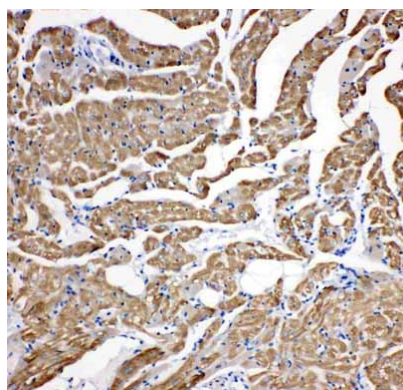
Background

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

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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.