

Basic Information

Product Name	Anti-TNNC1 Antibody	
Gene Name	TNNC1	
Source	Rabbit	
Isotype	IgG	
Species Reactivity	human, mouse, rat	
Tested Application	WB, IHC	
Contents	500 ug/ml antibody with PBS , 0.02% Na ₃ N , 1 mg BSA and 50% glycerol.	
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 .	
concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	18KD	
Dilution Ratios	Western blot(WB): 1:500-2000 Immunohistochemistry in paraffin section (IHC): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

Background Information

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, the TNNC1 gene is mapped to chromosome 3; subsequent analysis of the Genebridge 4 radiation hybrid panel localized the gene to 3p in a region consistent with the earlier assignment. Circular dichroism measurements revealed changes in the secondary structures of the TNNC1 mutants A8V, C84Y, and D145E.

Reference

Anti-TNNC1 Antibody被引用在1文献中。

Selected Validation Data

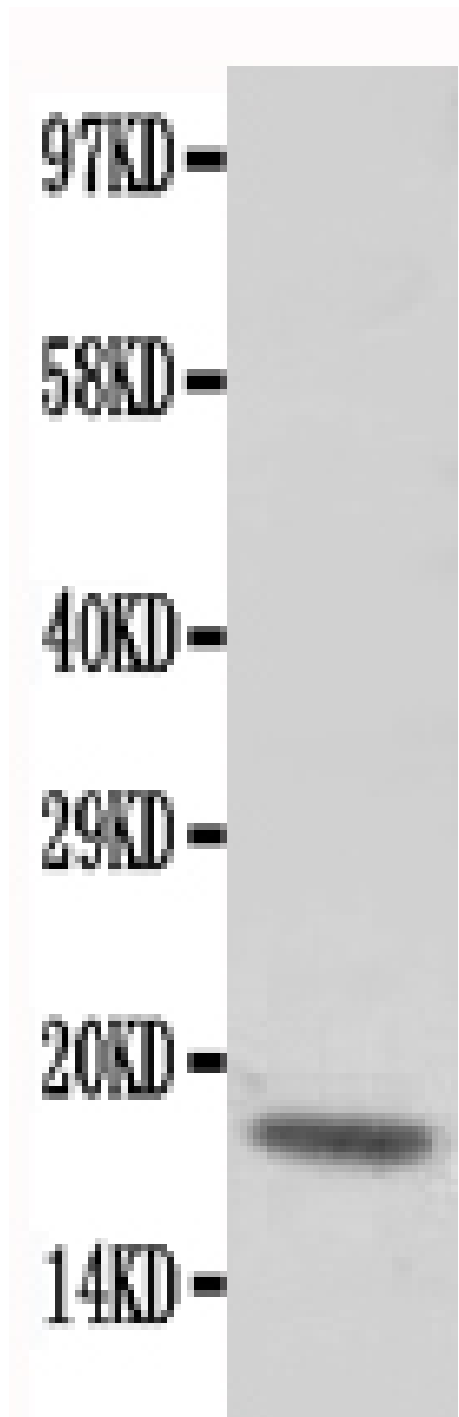


Figure 1. Western blot analysis of Anti-TNNC1 antibody (BA4631). The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: Rat skeletal muscle tissue lysates, Use rabbit Anti-TNNC1 1:1000, probed with a goat Anti-rabbit IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002). A specific band was detected for TNNC1 at approximately 18KD. The expected band size for TNNC1 is at 18KD.

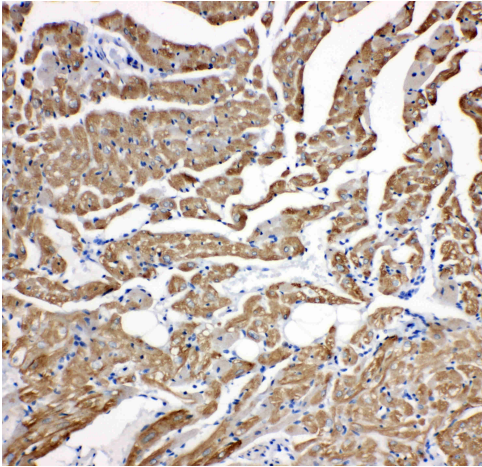


Figure 2. IHC analysis using Anti-TNNC1 antibody (BA4631) detected in paraffin-embedded section of rat cardiac muscle tissue. Biotinylated goat Anti-rabbit IgG was used as secondary antibody. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.