

Product Name: Cardiac Troponin I Rabbit Monoclonal Antibody**Catalog #: AMRe21381**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA,IP
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG,Kappa
Clonality	Monoclonal
Form	Liquid
Concentration	0.3mg/ml. The concentration of this product may be batch-dependent.
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%protective protein
Purification	Protein A

Application

Dilution Ratio	WB 1:2000-1:10000,IHC 1:200-1:1000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000,IP 1:50-1:200
Molecular Weight	Calculated MW:24kD;Observed MW:24kD

Antigen Information

Gene Name	TNNI3
Alternative Names	TNNI3;TNNC1;Troponin I; cardiac muscle;Cardiac troponin I
Gene ID	7137
SwissProt ID	P19429
Immunogen	A synthetic peptide of human Cardiac Troponin I

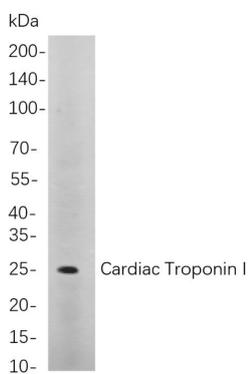
Background

Cell localization:Cytoplasm.Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that formThe troponin complex ofThe thin filaments of striated muscle. TnI isThe inhibitory subunit; blocking actin-myosin interactions and

thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM). [provided by RefSeq, Jul 2008],

Research Area

Image Data



Western blot analysis of lysates from Rat heart cells, using Cardiac Troponin I Rabbit mAb. The HRP-conjugated Goat anti-Rabbit IgG antibody was used to detect the antibody.