
Product Name: Cardiac Troponin I Rabbit Monoclonal Antibody**Catalog #: AMRe87800**

For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,FC,IP
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:5000-1:50000,IHC 1:200-1:500,FC 1:20-1:50,IP 1:50-1:100
Molecular Weight	Calculated MW:24 kDa; Observed MW:28 kDa

Antigen Information

Gene Name	Cardiac Troponin I
Alternative Names	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
Gene ID	7137
SwissProt ID	P19429
Immunogen	A synthetic peptide of human Cardiac Troponin I

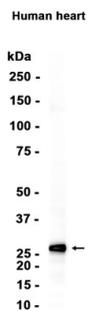
Background

Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the 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 extracts from Human heart tissue using Cardiac Troponin I Rabbit Monoclonal Antibody at 1:1000.