

Product Name: Cardiac Troponin I Rabbit Monoclonal Antibody
Catalog #: AMRe87817



Summary

Production Name	Cardiac Troponin I Rabbit Monoclonal Antibody
Description	Rabbit Monoclonal antibody
Host	Rabbit
Application	WB, IHC-P, IP
Reactivity	Human, Mouse, Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Immunogen

Gene Name	Cardiac Troponin I
Alternative Names	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
Gene ID	7137
SwissProt ID	P19429.

Application

Dilution Ratio	WB: 1:1000 IHC-P: 1:200-1:500 IP: 1:20-1:50
Molecular Weight	Calculated MW:24 kDa; Observed MW:28 kDa

Background

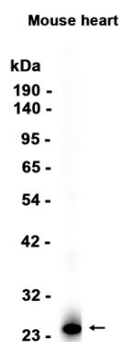
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Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating 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 Mouse heart tissue using AMRe87817 at 1:10000.

Note

For research use only.