

Recombinant

DGRmAb®

Cardiac Troponin I (DGR16760) Rabbit mAb

db14807

Package : 10µL 20µL 50µL 100µL

Product Name : Cardiac Troponin I (DGR16760) Rabbit mAb**Cat.No.:** db14807**Synonyms** : CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF**Application** : WB, IHC-P, FC, IP**Reactivity** : Human**Host species** : Rabbit**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]

Immunogen

A synthetic peptide of human Cardiac Troponin I

Gene ID

7137

Swiss Prot

P19429

Synonyms

CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF

Reactivity

Human

Application

WB, IHC-P, FC, IP

Recommended dilution

WB: 1:5000-1:50000

IHC-P: 1:200-1:500

FC: 1:20-1:50

IP: 1:50

Calculated MW

24 kDa

Observed MW

28 kDa

Host species

Rabbit

Clonality

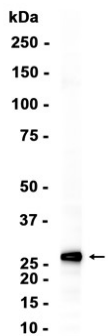
Monoclonal

Clonality No.

DGR16760

Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. 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.

Human heart



Western blot analysis of extracts from Human heart tissue using db14807 at 1:1000.