

## Cardiac Troponin I Rabbit pAb

db5649

Package : 20µL 50µL 100µL

**Product Name** : Cardiac Troponin I Rabbit pAb**Cat.No.:** db5649**Synonyms** : CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF**Application** : WB, IHC, ICC/IF, 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, ICC/IF, FC, IP

**Recommended dilution**WB: 1:2000-1:10000  
IHC: 1:20  
ICC/IF: 1:20  
FC: 1:20  
IP: 1:20**Calculated MW**

24 kDa

**Observed MW**

28 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

**Isotype**

IgG

<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	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.