

Product datasheet for **TA368766S**

Cardiac Troponin I (TNNI3) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB: 200-1000 WB positive control: Mouse heart tissue
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Fusion protein of human TNNI3
Formulation:	pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol
Purification:	Antigen affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C.
Stability:	1 year
Predicted Protein Size:	24 kDa
Gene Name:	troponin I3, cardiac type
Database Link:	Entrez Gene 7137 Human P19429

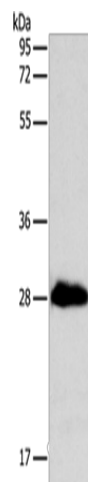
Background: Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily 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).

Synonyms: CMD2A; CMH7; cTnI; MGC116817; RCM1; TNNC1



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Product images:



Gel: 12%SDS-PAGE
Lysate: 40 μ g
Lane: Mouse heart tissue
Primary antibody: [TA368766] (TNNI3 Antibody)
at dilution 1/175
Secondary antibody: Goat anti rabbit IgG at
1/8000 dilution
Exposure time: 10 seconds