

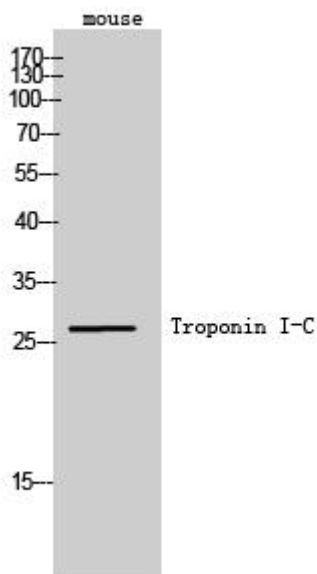


Troponin I-C Monoclonal Antibody

Catalog No	YP-mAb-03200
Isotype	IgG
Reactivity	Mouse;Rat
Applications	WB
Gene Name	TNNI3
Protein Name	Troponin I cardiac muscle
Immunogen	The antiserum was produced against synthesized peptide derived from mouse TNNI3. AA range:5-54
Specificity	Troponin I-C Monoclonal Antibody detects endogenous levels of Troponin I-C protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I
Observed Band	28kD
Cell Pathway	
Tissue Specificity	
Function	
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: tnl-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).
matters needing attention	Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images

Western Blot analysis of various cells using Troponin I-C Monoclonal Antibody