bsm-52818R

[Primary Antibody]

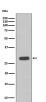
Cardiac Troponin I/TNNC1 Recombinant Rabbit mAb



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- DATASHEET		400-901-9800
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000)
Clonality: Recombinant	CloneNo.: 6F1	IHC-P (1:100-500) IHC-F (1:100-500)
GenelD: 7137	SWISS: P19429	IF (1:100-500)
Target: Cardiac Troponin I/TNNC1		ICC/IF (1:50-200) IP (1:20-50)
Immunogen: A synthesized peptide	derived from human Troponin I: 1-48.	
Purification: affinity purified by Protein A		Reactivity: Human
Concentration: 1mg/ml		
Storage: 10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol. Store at 4°C for short term. Store at -20°C for long term. Avoid repeated freeze/thaw cycles.		Predicted MW.: ^{24 kDa}
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		Subcellular Location: ^{Cytoplasm}

- VALIDATION IMAGES -

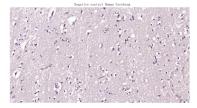


Western blot analysis of fetal heart cell lysate. Using Cardiac Troponin I/TNNC1 (bsm-52818R) monoclonal antibody at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



restrictive cardiomyopathy (RCM). [provided by RefSeq, Jul 2008]

Paraformaldehyde-fixed, paraffin embedded Human Heart; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cardiac Troponin I/TNNC1 Monoclonal Antibody, Unconjugated(bsm-52818R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining.



(Negative control) Paraformaldehyde-fixed, paraffin embedded Human Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cardiac Troponin I/TNNC1 Monoclonal Antibody, Unconjugated(bsm-52818R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining and DAB (C-0010) staining.

