SunLong Biotech Co.,LTD
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[Primary Antibody]

Recombinant Rabbit Anti-TNNI3 Monoclonal Antibody

Catalog Number: SLA0341M

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Mouse
Clonality:	Monoclonal
Clone No.:	7B11
GeneID:	7137
SWISS:	P19429
Target:	TNNI3
Immunogen:	KLH conjugated synthetic peptide derived from human CTn1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Size : 100ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS (pH7.4). Shipped at 4℃. Store at -20℃ for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P (1:200-2000) IHC-F (1:200-2000) IF (1:200-2000) Not yet tested in other applications. Optimal working dilutions must be determined by the end user.
Reactivity:	Human
Predicted MW.:	23 kDa
Subcellular Location:	Cytoplasm
Background:	Troponin I is a cardiac and skeletal muscle protein useful in the laboratory diagnosis of heart attack. Troponin I is a part of the troponin protein complex, where it binds to actin in thin myofilaments to hold the actin-tropomyosin complex in place. Because of it, myosin cannot bind actin in relaxed muscle. When calcium binds to the troponin C it causes conformational changes which lead to dislocation of troponin I and finally tropomyosin leaves the binding site for myosin on actin leading to contraction of muscle.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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[VALIDATION IMAGES]

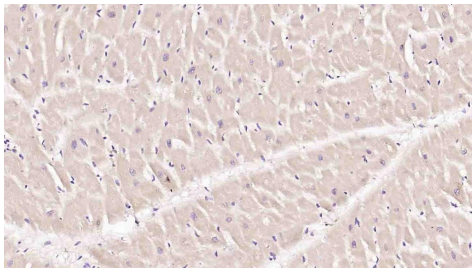


Figure 1. Paraformaldehyde-fixed, paraffin embedded (human heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Incubation with (Cardiac Troponin I (cTnI)) Monoclonal Antibody, Unconjugated (SLA0341M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.
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