

Mouse anti-Human Troponin I-C Monoclonal Antibody | anti-I-C antibody

Troponin I-C Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320250	Mouse	Human	ELISA, Immunofluorescence, Immunohistochemistry, Western Blot

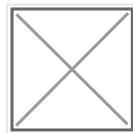
PRODUCT SYNONYMS

Troponin I-C; Monoclonal Antibody; Troponin I-C Monoclonal Antibody; Troponin I cardiac muscle; TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I; anti-I-C antibody

PRODUCT SPECIFICATIONS

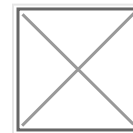
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Troponin I-C Monoclonal Antibody detects endogenous levels of Troponin I-C protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-I-C antibody	ELISA, IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of Troponin I-C expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



IHC (Immunohistochemistry)

Immunohistochemistry analysis of paraffin-embedded human normal cardiac muscle tissue. showing cytoplasmic localization with DAB staining using Troponin I-C Monoclonal Antibody.



WB (Western Blot)

Western Blot analysis using Troponin I-C Monoclonal Antibody against truncated Troponin I-C recombinant protein.

ADDITIONAL INFORMATION

Related Product Information for anti-I-C antibody	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]
Product Categories/Family for anti-I-C antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	151101270
NCBI GeneID	7137
NCBI Accession #	NP_000354.4
NCBI GenBank Nucleotide #	NM_000363.4
UniProt Accession #	P19429
Molecular Weight	24,008 Da
NCBI Official Full Name	troponin I, cardiac muscle
NCBI Official Synonym Full Names	troponin I type 3 (cardiac)
NCBI Official Symbol	TNNI3
NCBI Official Synonym Symbols	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
NCBI Protein Information	troponin I, cardiac muscle
UniProt Protein Name	Troponin I, cardiac muscle
UniProt Gene Name	TNNI3
UniProt Synonym Gene Names	TNNC1
UniProt Entry Name	TNNI3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/troponin-i-c-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/320250>