Mouse TNNI3 Monoclonal Antibody | anti-TNNI3 antibody

TNNI3 antibody

CATALOG #	HOST	APPLICATIONS
AAA108169	**Mouse**	**Western Blot, Immunohistochemistry**

PRODUCT SYNONYMS

TNNI3; Monoclonal Antibody; TNNI3 antibody; Monoclonal TNNI3; Anti-TNNI3; Troponin I Type 3; CMH7; MGC116817; TNNC1; cTnI; TNNI 3; TNNI-3; anti-TNNI3 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2a
Clone Number	3G2
Purity/Purification	TNNI3 antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	210
Applicable Applications for anti-TNNI3 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Biological Significance	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. TNNI3 is the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues.
Cross-Reactivity	Human
Immunogen	TNNI3 antibody was raised in mouse using a recombinant protein expressed in E Coli corresponding to amino acids 1-210 of human TNNI3 as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

IMAGES

WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant TNNI3 protein (Right) or empty vector (Left) detected with TNNI3 antibody

IHC (Immunohistochemistry)
Immunohistochemical analysis of TNNI3 protein in paraffin embedded Human prostate tissue using TNNI3 antibody

ADDITIONAL INFORMATION

Related Product Information for anti-TNNI3 antibody	Mouse monoclonal TNNI3 antibody
Product Categories/Family for anti-TNNI3 antibody	Cardiac Markers

NCBI AND UNIPROT INFORMATION

NCBI GI #	49456923
NCBI GeneID	7137
UniProt Accession #	Q6FGX2; P19429
Molecular Weight	24,008 Da
NCBI Official Full Name	TNNI3
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	TNNI3 protein
UniProt Gene Name	**TNNI3**
UniProt Entry Name	Q6FGX2_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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