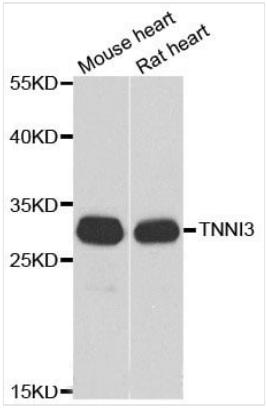
TNNI3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	TNNI3, Polyclonal Antibody
Full Product Name	TNNI3 Polyclonal Antibody
Product Gene Name	anti-TNNI3 antibody
Product Synonym Names	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Purity/Purification	Affinity Purification
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	Calculated MW: 24kDa
3D Structure	ModBase 3D Structure for Q6FGX2
Immunogen	Recombinant protein of human TNNI3
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-31654 / sc-31655 / sc-30483 / sc-8118 / sc-98830 / sc-15368
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-TNNI3 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-TNNI3 antibody	WB: 1:500-1:2000, IHC: 1:50-1:200
Related Product Information for anti-TNNI3 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).
Other Notes	Small volumes of anti-TNNI3 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for TNNI3 purchase	MBS2535173 is an antibody targeting TNNI3. Also known as TNNI3 Polyclonal Antibody. Reactive in Human, Mouse, Rat. Host: Rabbit.



Western Blot (WB) of anti-TNNI3 antibody
Western blot analysis of extracts of various cell lines, using TNNI3 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TNNI3. It may not necessarily be applicable to this product.

NCBI GI #	49456923
NCBI GeneID	7137
NCBI Accession #	CAG46782.1
UniProt Primary Accession #	Q6FGX2
UniProt Related Accession #	P19429
NCBI Official Full Name	TNNI3
NCBI Official Synonym Full Names	troponin I3, cardiac type
NCBI Official Symbol	TNNI3
NCBI Official Synonym Symbols	CMH7; RCM1; cTnI; CMD2A; TNNC1; CMD1FF
UniProt Protein Name	TNNI3 protein
UniProt Synonym Protein Names	TNNI3 protein
Protein Family	Troponin
UniProt Gene Name	TNNI3
UniProt Entry Name	Q6FGX2_HUMAN
NCBI Protein Information	troponin I, cardiac muscle
Research Articles on TNNI3	**1.** mutations underlying restrictive cardiomyopathy all marked by right-sided cardiac manifestations in South African patients
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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