

TNNI3 Rabbit Polyclonal Antibody

Catalog No: #55070

Package Size: #55070-1 50ul #55070-2 100ul

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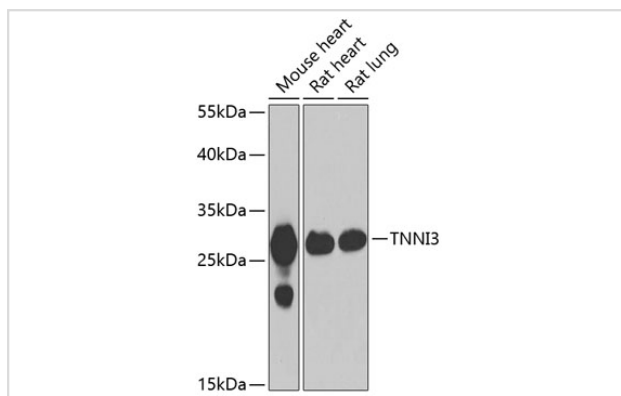
Description

Product Name	TNNI3 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human TNNI3 (NP_000354.4).
Other Names	TNNI3;CMD1FF;CMD2A;CMH7;RCM1;TNNC1;cTnl;troponin I3
Accession No.	Swiss Prot:P19429GeneID:7137
Calculated MW	24kDa
SDS-PAGE MW	26kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

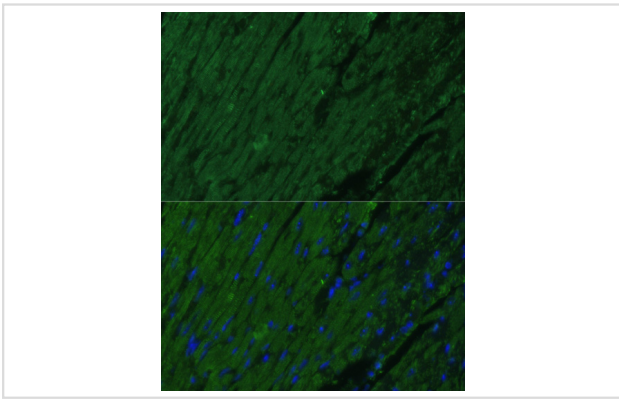
Application Details

WB □ 1:500 - 1:2000 IF □ 1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using TNNI3 at 1:1000 dilution.



Immunofluorescence analysis of mouse heart cells using TNNI3 at dilution of 1:100. Blue: DAPI for nuclear staining.

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 restrictive cardiomyopathy (RCM).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.