

## TNNI3 Rabbit Polyclonal Antibody

Catalog No: #53015

Package Size: #53015-1 50ul #53015-2 100ul

Orders: order@signalwayantibody.com

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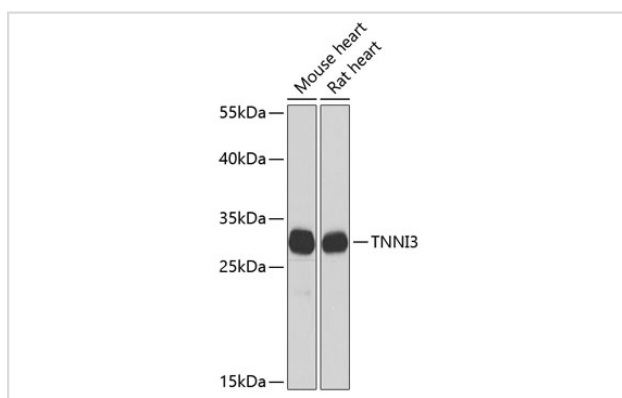
## Description

Product Name	TNNI3 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IF
Species Reactivity	Mouse;Rat
Immunogen Description	Recombinant fusion protein of human TNNI3 (NP_000354.4).
Conjugates	Unconjugated
Other Names	TNNI3;CMD1FF;CMD2A;CMH7;RCM1;TNNC1;cTnl;troponin I3
Accession No.	Swiss Prot:P19429GenelD:7137
Calculated MW	24kDa
SDS-PAGE MW	30kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

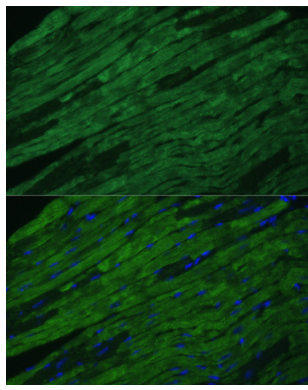
## Application Details

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.