

# TNNI3 Rabbit Polyclonal Antibody



CAB0152

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

30kDa

### Calculated MW:

24kDa

### Applications:

WB IF

### Reactivity:

Mouse, Rat

## Protein 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).

## Immunogen information

### Gene ID:

7137

### Uniprot

P19429

### Synonyms:

TNNI3; CMD1FF; CMD2A; CMH7; RCM1; TNNC1; cTnI; troponin I3

## Antibody Information

### Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

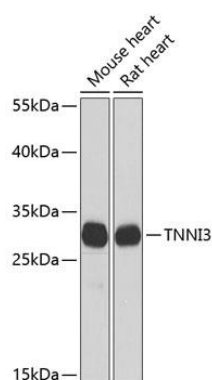
Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human TNNI3 (NP\_000354.4).

### Storage:

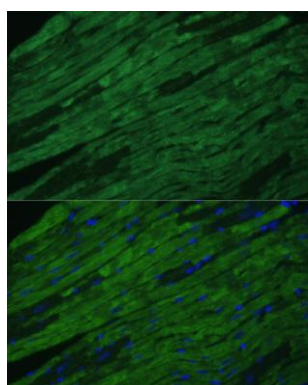
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

---



Western blot analysis of extracts of various cell lines, using TNNI3 antibody (CAB0152) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (CABM00020). Exposure time: 5s.



Immunofluorescence analysis of mouse heart cells using TNNI3 antibody (CAB0152) at dilution of 1:100. Blue: DAPI for nuclear staining.