

# TNNC1 Rabbit Polyclonal Antibody



CAB1927

## Product Information

### Size:

20uL, 50uL, 100uL, 200uL

### Observed MW:

16kDa

### Calculated MW:

18kDa

### Applications:

WB IHC IF

### Reactivity:

Human, Mouse

## Protein Background

Troponin is a central regulatory protein of striated muscle contraction, and together with tropomyosin, is located on the actin filament. Troponin consists of 3 subunits: TnI, which is the inhibitor of actomyosin ATPase; TnT, which contains the binding site for tropomyosin; and TnC, the protein encoded by this gene. The binding of calcium to TnC abolishes the inhibitory action of TnI, thus allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in this gene are associated with cardiomyopathy dilated type 1Z.

## Immunogen information

### Gene ID:

7134

### Uniprot

P63316

### Synonyms:

TNNC1; CMD1Z; CMH13; TN-C; TNC; TNNC; troponin C1

## Antibody Information

### Recommended dilutions:

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

### Source:

Rabbit

### Isotype:

IgG

### Purification:

Affinity purification

### Immunogen:

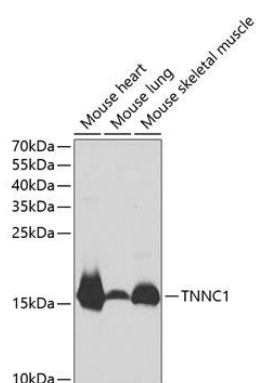
Recombinant fusion protein containing a sequence corresponding to amino acids 1-160 of human TNNC1 (NP\_003271.1).

### Storage:

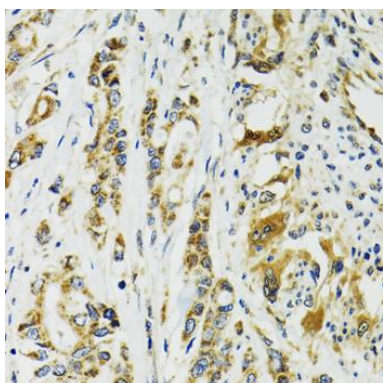
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

## Product Images

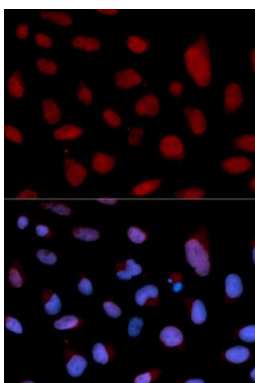
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Western blot analysis of extracts of various cell lines, using TNNC1 antibody (CAB1927) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin-embedded human colon carcinoma using TNNC1 antibody (CAB1927) at dilution of 1:100 (40x lens).



Immunofluorescence analysis of U2OS cells using TNNC1 antibody (CAB1927). Blue: DAPI for nuclear staining.