

## TNNC1 Rabbit pAb

CatalogNo: YN3665

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse

#### Applications

- WB

#### MW

- 18kD (Calculated)

#### Isotype

- IgG

### Recommended Dilution Ratios

WB 1:500-2000

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality** Polyclonal

### Immunogen Information

**Immunogen** Synthesized peptide derived from human TNNC1 AA range: 57-107

**Specificity** This antibody detects endogenous levels of TNNC1 at Human/Mouse

### Target Information

**Gene name** TNNC1 TNNC

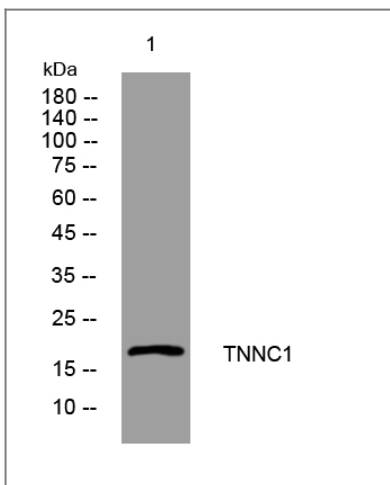
**Protein Name** TNNC1

| Organism | Gene ID                | UniProt ID              |
|----------|------------------------|-------------------------|
| Human    | <a href="#">7134;</a>  | <a href="#">P63316;</a> |
| Mouse    | <a href="#">21924;</a> | <a href="#">P19123;</a> |

**Cellular Localization** nucleoplasm,mitochondrion,cytosol,troponin complex,actin cytoskeleton,contractile fiber,

**Function** Disease:Defects in TNNC1 are the cause of cardiomyopathy dilated type 1Z (CMD1Z) [MIM:611879]. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Patients are at risk of premature death.,Function:Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.,miscellaneous:Cardiac muscle Tn-C can bind 3 calcium ions per molecule. Domain I does not bind calcium.,similarity:Belongs to the troponin C family.,similarity:Contains 4 EF-hand domains.,

## Validation Data



Western blot analysis of lysates from PC-12 cells, primary antibody was diluted at 1:1000, 4° over night

## Contact information

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