

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

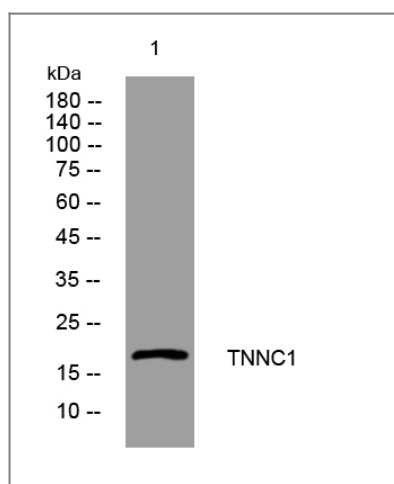
Specificity This antibody detects endogenous levels of TNNC1 at Human/Mouse

Target Information

Gene name TNNC1 TNNC

Protein Name	TNNC1		
	Organism	Gene ID	UniProt ID
	Human	7134;	P63316;
	Mouse	21924;	P19123;
Cellular Localization	nucleoplasm,mitochondrion,cytosol,troponin complex,actin cytoskeleton,contractile fiber,		
Function	<p>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.,</p>		

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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