

Datasheet for ABIN7259949

anti-TNNC1 antibody

3 Images

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Overview

Quantity:	200 µL
Target:	TNNC1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein of human TNNC1 (NP_003271.1).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	TNNC1
Alternative Name:	TNNC1 (TNNC1 Products)
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

Target Details

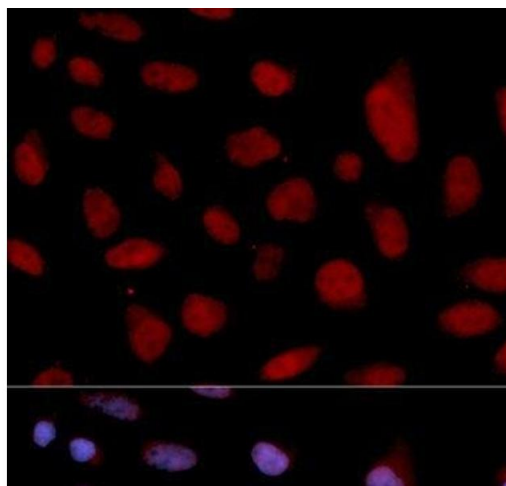
	of Tnl, thus allowing the interaction of actin with myosin, the hydrolysis of ATP, and the generation of tension. Mutations in this gene are associated with cardiomyopathy dilated type 1Z.
Molecular Weight:	Observed_MW: 16 kDa Calculated_MW: 18 kDa
Gene ID:	7134
UniProt:	P63316

Application Details

Application Notes:	WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200
Restrictions:	For Research Use only

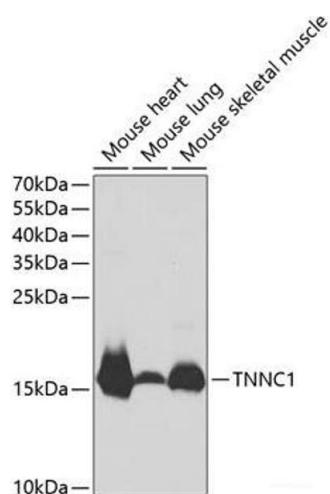
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



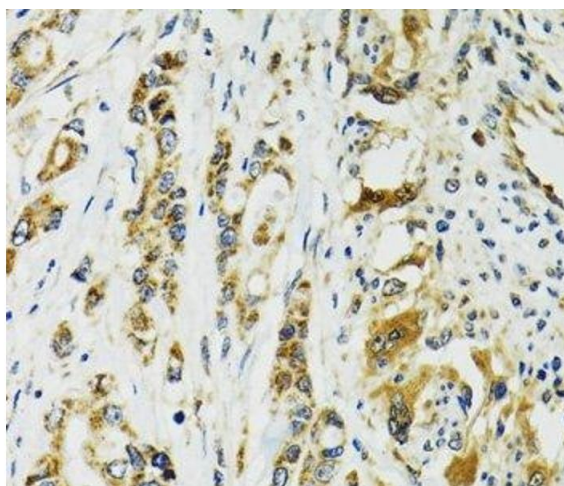
Immunofluorescence

Image 1. Immunofluorescence analysis of U2OS cells using TNNC1 Polyclonal Antibody



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines using TNNC1 Polyclonal Antibody at dilution of 1:1000.



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Immunohistochemistry of paraffin-embedded Human colon carcinoma using TNNC1 Polyclonal Antibody at dilution of 1:100 (40x lens).