

Datasheet for ABIN7173574
anti-TNNI3 antibody (AA 2-210)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	TNNI3
Binding Specificity:	AA 2-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNI3 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Troponin I, cardiac muscle protein (2-210AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	TNNI3
Alternative Name:	TNNI3 (TNNI3 Products)
Background:	Background: Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Target Details

Aliases: cardiac muscle antibody, Cardiac troponin I antibody, cardiomyopathy, dilated 2A (autosomal recessive) antibody, Cardiomyopathy, familial hypertrophic, 7, included antibody, CMD1FF antibody, CMD2A antibody, CMH7 antibody, cTnI antibody, Familial hypertrophic cardiomyopathy 7 antibody, MGC116817 antibody, RCM1 antibody, Tn1 antibody, Tni antibody, TNN I3 antibody, TNNC 1 antibody, TNNC1 antibody, TNNI3 antibody, TNNI3_HUMAN antibody, Troponin I antibody, Troponin I cardiac antibody, Troponin I cardiac muscle antibody, Troponin I cardiac muscle isoform antibody, Troponin I type 3 cardiac antibody, troponin I, cardiac 3 antibody, TroponinI antibody, Ttroponin I type 3 (cardiac) antibody

UniProt: [P19429](#)

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200, IF:1:200-1:500, IP:1:200-1:2000,

Restrictions: For Research Use only

Handling

Format: Liquid

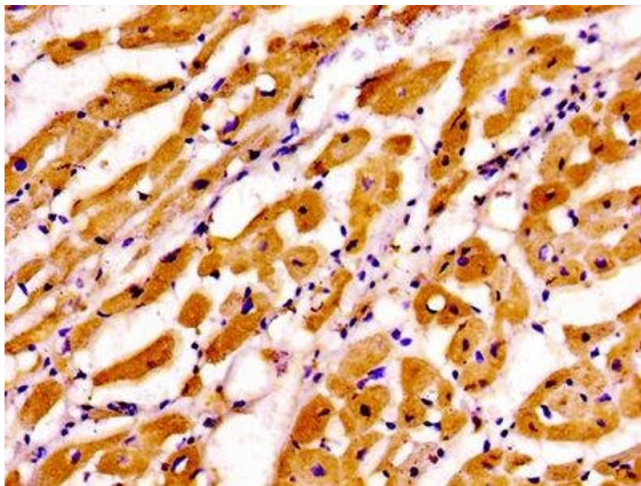
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

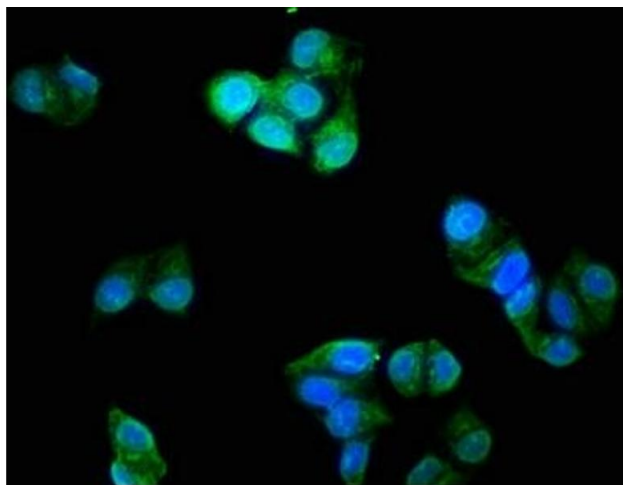
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



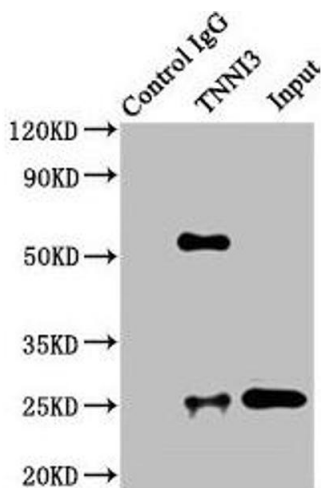
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human heart tissue using ABIN7173574 at dilution of 1:100



Immunofluorescence

Image 2. Immunofluorescence staining of HeLa cells with ABIN7173574 at 1:200, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Western Blotting

Image 3. Immunoprecipitating TNNI3 in Rat heart tissue
Lane 1: Rabbit control IgG instead of ABIN7173574 in Rat heart tissue. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/5000)
Lane 2: ABIN7173574 (8 µg) + Rat heart tissue (500 µg)
Lane 3: Rat heart tissue (20 µg)