

Datasheet for ABIN7173586

anti-Cardiac Troponin T2 antibody (AA 138-298)[Go to Product page](#)**3** Images

Overview

Quantity:	100 µg
Target:	Cardiac Troponin T2 (cTnT)
Binding Specificity:	AA 138-298
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cardiac Troponin T2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Troponin T, cardiac muscle protein (138-298AA)
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	>95%, Protein G purified

Target Details

Target:	Cardiac Troponin T2 (cTnT)
Alternative Name:	TNNT2 (cTnT Products)
Background:	Background: Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase

Target Details

activity.

Aliases: Cardiac muscle troponin T antibody, Cardiomyopathy dilated 1D (autosomal dominant) antibody, Cardiomyopathy hypertrophic 2 antibody, CMD1D antibody, CMH2 antibody, CMPD2 antibody, cTnT antibody, LVNC6 antibody, MGC3889 antibody, OTTHUMP00000033864 antibody, OTTHUMP00000033865 antibody, OTTHUMP00000033866 antibody, OTTHUMP00000033867 antibody, OTTHUMP00000033870 antibody, OTTHUMP00000218095 antibody, RCM3 antibody, TNNT 2 antibody, TNNT2 antibody, TNNT2_HUMAN antibody, TnTc antibody, Troponin T cardiac muscle antibody, Troponin T type 2 (cardiac) antibody, Troponin T type 2 cardiac antibody, Troponin T, cardiac muscle antibody, Troponin T2 cardiac antibody

UniProt: [P45379](#)

Application Details

Application Notes: Recommended dilution: WB:1:1000-1:5000, IHC:1:20-1:200, IF:1:50-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

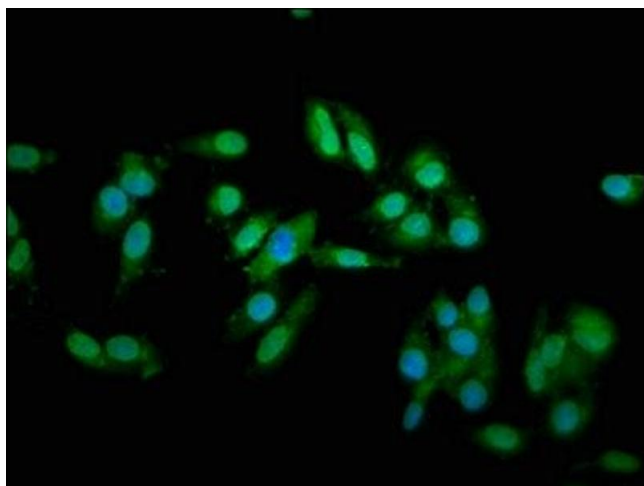
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

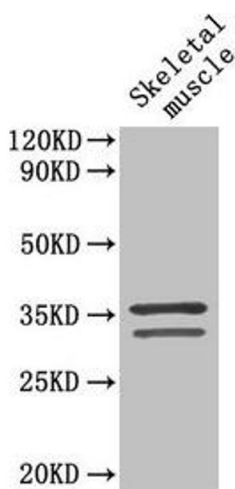
Storage: -20 °C, -80 °C

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



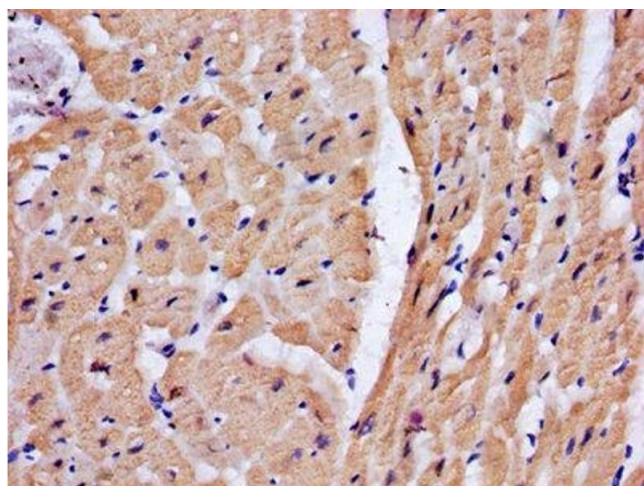
Immunofluorescence

Image 1. Immunofluorescence staining of HeLa cells with ABIN7173586 at 1:66, 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 2. Western Blot Positive WB detected in: Mouse skeletal muscle tissue All lanes: TNNT2 antibody at 4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 36, 35, 32, 31 kDa Observed band size: 36, 32 kDa



Immunohistochemistry

Image 3. IHC image of ABIN7173586 diluted at 1:200 and staining in paraffin-embedded human heart tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.