

Datasheet for ABIN7297174
anti-TNNI3 antibody (Center)



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3 Images

Overview

Quantity:	100 µL
Target:	TNNI3
Binding Specificity:	Center
Reactivity:	Human, Mouse, Rat, Pig, Dog, Cow
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNI3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human cTnI.
Specificity:	Recognizes endogenous levels of cTnI protein.
Characteristics:	Rabbit polyclonal antibody to cTnI
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	TNNI3
Alternative Name:	cTnI (TNNI3 Products)

Target Details

Background: TNNC1, Troponin I, cardiac muscle, Cardiac troponin I

Gene ID: 7137, 21954, 29248

UniProt: [P19429](#), [P48787](#), [P23693](#)

Application Details

Application Notes: WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.

Preservative: Sodium azide

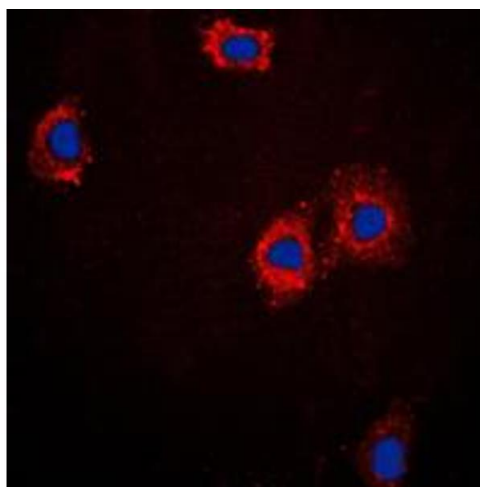
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.

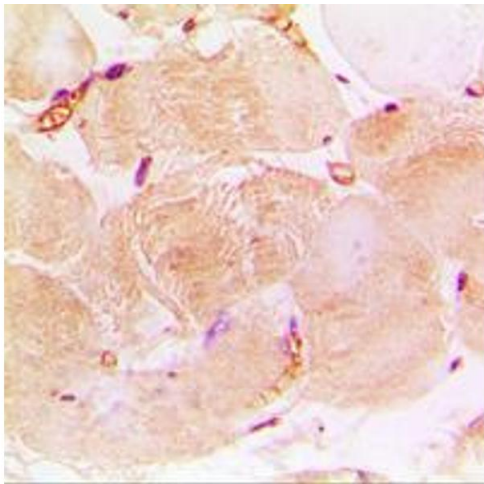
Expiry Date: 12 months

Images



Immunofluorescence

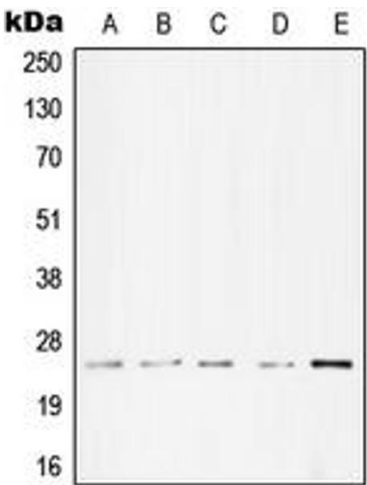
Image 1. Immunofluorescent analysis of cTnI staining in A431 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell



nuclei (blue).

Immunohistochemistry

Image 2. Immunohistochemical analysis of cTnI staining in human heart formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 3. Western blot analysis of cTnI expression in A431 (A), Molt4 (B), A549 (C), NIH3T3 (D), PC12 (E) whole cell lysates.