

Datasheet for ABIN3043055 **anti-TNNC1 antibody (N-Term)**

2 Images



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Overview

Quantity:	100 µg
Target:	TNNC1
Binding Specificity:	AA 1-18, N-Term
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNC1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Troponin C, slow skeletal and cardiac muscles(TNNC1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human cardiac Troponin C(1-18aa MDDIYKAAVEQLTEEQKN), identical to the related rat and mouse sequences .
Sequence:	MDDIYKAAVE QLTEEQKN
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Troponin C, slow skeletal and cardiac muscles(TNNC1)

Product Details

detection. Tested with WB, IHC-P in Human, Mouse, Rat.

Gene Name: troponin C type 1(slow)

Protein Name: Troponin C, slow skeletal and cardiac muscles

Purification: Immunogen affinity purified.

Target Details

Target: TNNC1

Alternative Name: TNNC1 ([TNNC1 Products](#))

Background: Troponin C1(TNNC1)(troponin C type 1(slow)), also called TROPONIN C, SLOW-TWITCH SKELETAL MUSCLE or TNC, is a protein that in humans is encoded by the TNNC1 gene. Using a "monochromosomal" hybrid panel, the TNNC1 gene is mapped to chromosome 3, subsequent analysis of the Genebridge 4 radiation hybrid panel localized the gene to 3p in a region consistent with the earlier assignment. Circular dichroism measurements revealed changes in the secondary structures of the TNNC1 mutants A8V, C84Y, and D145E.

Synonyms: tnn1a antibody|Cardiac troponin C antibody|CMH7 antibody|cTnl antibody|slow skeletal and cardiac muscles antibody|Slow troponin C1 antibody|TN C antibody|TN-C antibody|TNC antibody|TNNC 1 antibody|TNNC antibody|TNNC1 antibody|TNNC1 protein antibody|TNNC1_HUMAN antibody|TNNI3 antibody|Troponin C antibody|Troponin C cardiac antibody|Troponin C slow antibody|Troponin C slow skeletal and cardiac muscles antibody|Troponin C type 1(slow) antibody|Troponin C type 1 antibody|Troponin C1 slow antibody|Troponin I type 3(cardiac) antibody

UniProt: [P63316](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

Application Details

ABIN921231 in IHC(P).

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na₂HPO₄, 0.05 mg Thimerosal, 0.05 mg Sodium azide.

Preservative: Thimerosal (Merthiolate), Sodium azide

Precaution of Use: This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

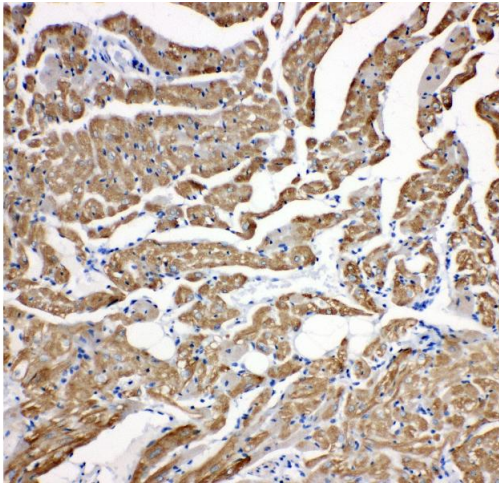
Expiry Date: 12 months

Images



Western Blotting

Image 1.



Immunohistochemistry

Image 2. Anti-cardiac Troponin C antibody, IHC(P) IHC(P):
Rat Cardiac Muscle Tissue