

Datasheet for ABIN462337

anti-Cardiac Troponin T2 antibody (Exon 10)**2** Images[Go to Product page](#)

Overview

Quantity:	50 µL
Target:	Cardiac Troponin T2 (cTnT)
Binding Specificity:	Exon 10
Reactivity:	Human, Mouse, Rat, Cow, Rabbit, Dog, Chicken, Horse, Sheep, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cardiac Troponin T2 antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Purified rabbit cardiac troponin T isoform (TnT4R). Epitope: FMPNLVPPKI (5' region of the cardiac gene exon 10). Cellular Localization: Mostly over the I bands in myofibrils. Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat, Sheep, Elephant, Panda, Dog, Bovine, Horse, Rabbit, Chicken, Platypus, Lizard (100%), Hamster, Opossum (90%).
Isotype:	IgG1
Specificity:	Recognizes the cardiac isoform of rabbit Troponin T (cTnT). Species cross-reactivity: Canine, chicken, goldfish, guinea pig, human, mouse, porcine, rat, sparrow. Does not react with frog.
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Gibbon, Monkey, Marmoset, Mouse, Rat,

Product Details

Sheep, Elephant, Panda, Dog, Bovine, Horse, Rabbit, Chicken, Platypus, Lizard (100%) Hamster, Opossum (90%).

Purification: Protein G purified

Target Details

Target: Cardiac Troponin T2 (cTnT)

Alternative Name: TNNT2 / CTNT ([cTnT Products](#))

Background: Name/Gene ID: TNNT2

Synonyms: TNNT2, Cardiomyopathy, hypertrophic 2, CMPD2, CMD1D, CMH2, Cardiac muscle troponin T, Cardiac Troponin T, LVNC6, TnTC, Troponin T type 2 (cardiac), Troponin T, cardiac muscle, Troponin T2, cardiac, CTnT, RCM3

Gene ID: 7139

UniProt: [P45379](#)

Application Details

Application Notes: Approved: IF, IHC, IHC-P (1:50)

Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 2.5 µg/mL. The antibody is also suitable for electron microscopy and immunofluorescence.

Comment: Target Species of Antibody: Rabbit

Restrictions: For Research Use only

Handling

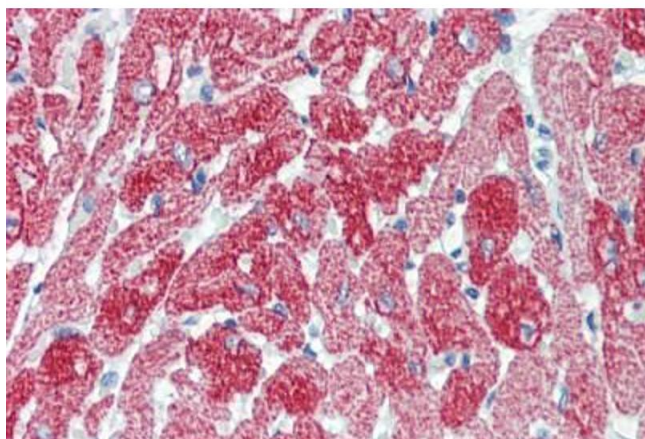
Format: Liquid

Concentration: Lot specific

Handling

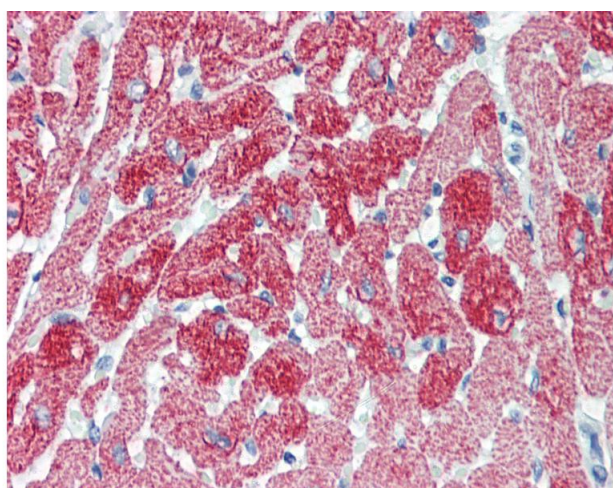
Buffer:	PBS, pH 7.4, 0.2 % BSA, 0.09 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C, -20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Rabbit Heart (formalin-fixed, paraffin-embedded) stained with TNNT2 antibody ABIN462337 followed by biotinylated anti-mouse IgG secondary antibody ABIN481714, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-TNNT2 / CTnT antibody IHC of human rabbit heart. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:50.