

Datasheet for ABIN951043

anti-Cardiac Troponin T2 antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	0.4 mL
Target:	Cardiac Troponin T2 (cTnT)
Binding Specificity:	AA 171-201, Middle Region
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cardiac Troponin T2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 171-201 amino acids from the Central region of human TNNT2
Isotype:	Ig Fraction
Specificity:	This antibody detects Cardiac Troponin T (Center).
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Protein A column followed by peptide affinity purification

Target Details

Target:	Cardiac Troponin T2 (cTnT)
Alternative Name:	Cardiac Troponin T (cTnT Products)

Target Details

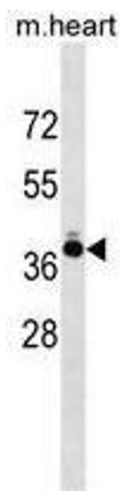
Background:	The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.Synonyms: TNNT2, TnTc, cTnT
Gene ID:	7139
NCBI Accession:	NP_000355

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) 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:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. TNNT2 Antibody (Center) western blot analysis in mouse heart tissue lysates (35 µg/lane). This demonstrates the TNNT2 antibody detected the TNNT2 protein (arrow).