

## Product datasheet for **AP54324PU-N**

### Cardiac Troponin T (TNNT2) (Center) Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 171-201 amino acids from the Central region of human TNNT2
Specificity:	This antibody detects Cardiac Troponin T (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin T2, cardiac type
Database Link:	<a href="#">Entrez Gene 21956 Mouse</a> <a href="#">Entrez Gene 7139 Human</a> <a href="#">P45379</a>



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**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:**

cTnT, TnTc, TNNT2

**Note:**

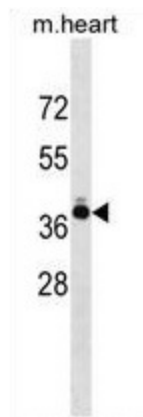
**Molecular Weight:** 35924 Da

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Cardiac muscle contraction, Dilated cardiomyopathy, Hypertrophic cardiomyopathy (HCM)

**Product images:**

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