

**TNNT2 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP16580c****Specification**

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**TNNT2 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P45379](#)**TNNT2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 7139**Other Names**

Troponin T, cardiac muscle, TnTc, Cardiac muscle troponin T, cTnT, TNNT2

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**TNNT2 Antibody (Center) Blocking Peptide - Protein Information****Name** TNNT2**Function**

Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

**Tissue Location**

Heart. The fetal heart shows a greater expression in the atrium than in the ventricle, while the adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also expressed in failing adult heart

**TNNT2 Antibody (Center) Blocking Peptide - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

**TNNT2 Antibody (Center) Blocking Peptide - Images**

**TNNT2 Antibody (Center) Blocking Peptide - 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.

**TNNT2 Antibody (Center) Blocking Peptide - References**

Millat, G., et al. Clin. Chim. Acta 411 (23-24), 1983-1991 (2010) :Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010) Millat, G., et al. Eur J Med Genet 53(5):261-267(2010) Watt, K.D., et al. Liver Transpl. 16(8):990-998(2010) Koide, K., et al. Heart Vessels 25(3):217-222(2010)