

TNNI3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17180c**Specification**

TNNI3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P19429](#)**TNNI3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 7137**Other Names**

Troponin I, cardiac muscle, Cardiac troponin I, TNNI3, TNNC1

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.

TNNI3 Antibody (Center) Blocking Peptide - Protein Information**Name** TNNI3**Synonyms** TNNC1**Function**

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

TNNI3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TNNI3 Antibody (Center) Blocking Peptide - Images**TNNI3 Antibody (Center) Blocking Peptide - Background**

Troponin I (TnI), along with troponin T (TnT) and troponinC (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking

actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).

TNNI3 Antibody (Center) Blocking Peptide - References

Millat, G., et al. Clin. Chim. Acta 411 (23-24), 1983-1991 (2010) : Murakami, C., et al. Leg Med (Tokyo) 12(6):280-283(2010) Millat, G., et al. Eur J Med Genet 53(5):261-267(2010) Di Chiara, A., et al. J Cardiovasc Med (Hagerstown) 11(8):587-592(2010) Napan, S., et al. Coron. Artery Dis. 21(5):261-265(2010)