

TNNI2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP16030a**Specification**

TNNI2 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [P48788](#)**TNNI2 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 7136**Other Names**

Troponin I, fast skeletal muscle, Troponin I, fast-twitch isoform, TNNI2

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.

TNNI2 Antibody (N-term) Blocking Peptide - Protein Information**Name** TNNI2**Function**

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

TNNI2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TNNI2 Antibody (N-term) Blocking Peptide - Images**TNNI2 Antibody (N-term) Blocking Peptide - Background**

This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. Mouse studies show that this component is also present in vascular

smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in this gene cause myopathy and distal arthrogryposis type 2B. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq].

TNNI2 Antibody (N-term) Blocking Peptide - References

Bailey, S.D., et al. Diabetes Care (2010) In press : Talmud, P.J., et al. Am. J. Hum. Genet. 85(5):628-642(2009) Perez-Illarbe, M., et al. Eur. J. Heart Fail. 10(11):1065-1072(2008) Moran, C.M., et al. Cell Motil. Cytoskeleton 65(8):652-661(2008) Li, Y., et al. Biochem. Biophys. Res. Commun. 369(4):1034-1040(2008)