

TNNC2 Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19581b**Specification**

TNNC2 Antibody(C-term) - Product Information

Application	WB,E
Primary Accession	P02585
Other Accession	NP_003270.1
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18122
Antigen Region	97-126

TNNC2 Antibody(C-term) - Additional Information**Gene ID** 7125**Other Names**

Troponin C, skeletal muscle, TNNC2

Target/Specificity

This TNNC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 97-126 amino acids from the C-terminal region of human TNNC2.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

TNNC2 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

TNNC2 Antibody(C-term) - Protein Information**Name** TNNC2**Function** Troponin is the central regulatory protein of striated muscle contraction. Tn consists of

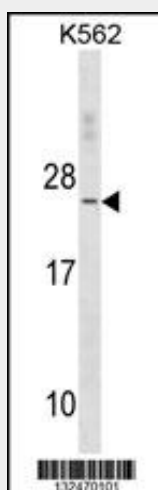
three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.

TNNC2 Antibody(C-term) - Protocols

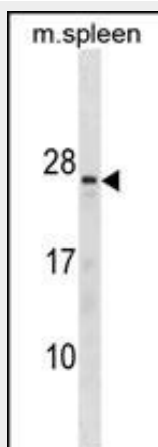
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

TNNC2 Antibody(C-term) - Images



TNNC2 Antibody (C-term) (Cat. #AP19581b) western blot analysis in K562 cell line lysates (35ug/lane). This demonstrates the TNNC2 antibody detected the TNNC2 protein (arrow).



TNNC2 Antibody (C-term) (Cat. #AP19581b) western blot analysis in mouse spleen tissue lysates (35ug/lane). This demonstrates the TNNC2 antibody detected the TNNC2 protein (arrow).

TNNC2 Antibody(C-term) - Background

Troponin (Tn), a key protein complex in the regulation of striated muscle contraction, is composed of 3 subunits. The Tn-I subunit inhibits actomyosin ATPase, the Tn-T subunit binds tropomyosin and Tn-C, while the Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. The protein encoded by this gene is the Tn-C subunit.

TNNC2 Antibody(C-term) - 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)
Robinson, P., et al. FASEB J. 21(3):896-905(2007)
Deloukas, P., et al. Nature 414(6866):865-871(2001)
Vassilyev, D.G., et al. Proc. Natl. Acad. Sci. U.S.A. 95(9):4847-4852(1998)