

TNNC2 Antibody(C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP19581b

Product Information

Application	WB, E
Primary Accession	P02585
Other Accession	NP_003270.1
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB32470
Calculated MW	18122
Antigen Region	97-126

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.

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.

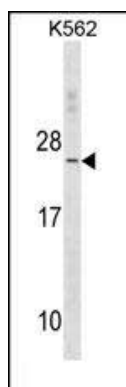
Background

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.

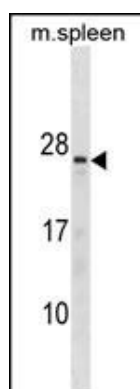
References

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Deloukas, P., et al. Nature 414(6866):865-871(2001)
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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).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.