BT LAB
Bioassay Technology Laboratory
Optimize Your Research

Troponin I-C(Phospho Ser22/S23) Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP08237
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	The antiserum was produced against synthesized peptide derived from mouse TNNI3 around the phosphorylation site of Ser22 and Ser23. AA range:5-54
Mol wt	24008
Species reactivity	Mouse, Rat
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	Troponin I cardiac muscle
Synonyms	Troponin I cardiac muscle; TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

Troponin I (TnI)| along with troponin T (TnT) and troponin C (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).

Recommended Dilution

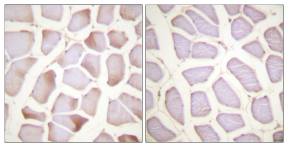
WB: 1: 500 - 1: 2000

IHC-p: 1: 100 - 1: 300

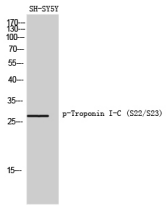
ELISA: 1: 20000

Not yet tested in other applications.

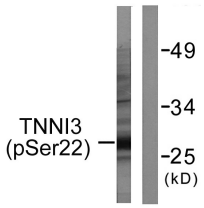
Images



Immunohistochemistry analysis of paraffin-embedded human skeletal muscle, using TNNI3 (Phospho-Ser22+Ser23) Antibody. The picture on the right is blocked with the phospho peptide.



Western Blot analysis of SH-SY5Y cells using Phospho-Troponin I-C (S22/S23) Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from mouse heart, using TNNI3 (Phospho-Ser22+Ser23) Antibody.

The lane on the right is blocked with the phospho peptide.

Storage

-20°C for 1 year

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