

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

Catalog No: YP0675

Reactivity: Mouse;Rat

Applications: WB;IHC;IF;ELISA

Target: Troponin I-C

Gene Name: Tnni3

Protein Name: Troponin I cardiac muscle

P19429

Human Swiss Prot

No:

Mouse Gene Id: 21954

Rat Gene ld: 29248

Rat Swiss Prot No: P23693

Immunogen: The antiserum was produced against synthesized peptide derived from mouse

TNNI3 around the phosphorylation site of Ser22 and Ser23. AA range:5-54

Specificity: Phospho-Troponin I-C (S22/S23) Polyclonal Antibody detects endogenous

levels of Troponin I-C protein only when phosphorylated at S22/S23.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution : WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:20000.. IF 1:50-200

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

Concentration: 1 mg/ml

Storage Stability: -15°C to -25°C/1 year(Do not lower than -25°C)

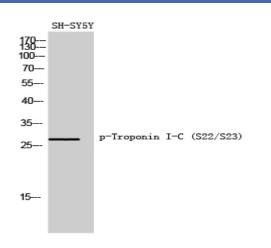
Observed Band: 2

28kD

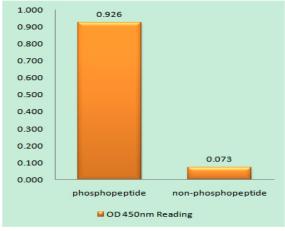
Background:

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).

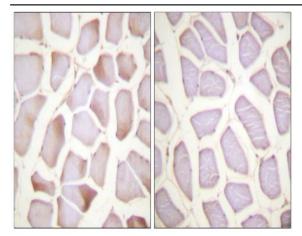
Products Images



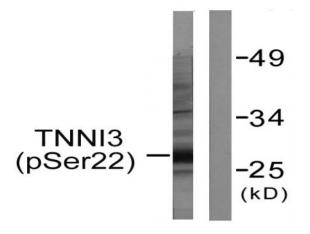
Western Blot analysis of SH-SY5Y cells using Phospho-Troponin I-C (S22/S23) Polyclonal Antibody diluted at 1:1000



Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using TNNI3 (Phospho-Ser22+Ser23) Antibody



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 lysates from mouse heart, using TNNI3 (Phospho-Ser22+Ser23) Antibody. The lane on the right is blocked with the phospho peptide.