Product Name: Phospho-Cardiac Troponin I (Ser22/Ser23) Rabbit Polyclonal Antibody
Catalog #: APRab00836

Summary

Production Name	Phospho-Cardiac Troponin I (Ser22/Ser23) Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Phosphorylated
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Chromatography

Immunogen

Gene Name	Tnni3
Alternative Names	TNNI3; TNNC1; Troponin I; cardiac muscle; Cardiac troponin I
Gene ID	29248.0
SwissProt ID	P23693

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 24 kDa; Observed MW: 28 kDa

Background

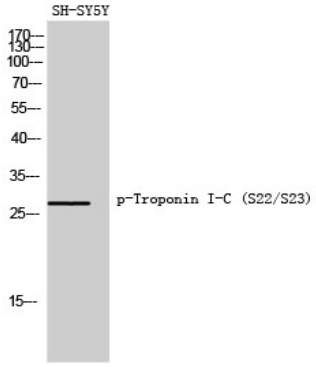
Product Name: Phospho-Cardiac Troponin I (Ser22/Ser23) Rabbit Polyclonal Antibody
Catalog #: APRab00836

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).

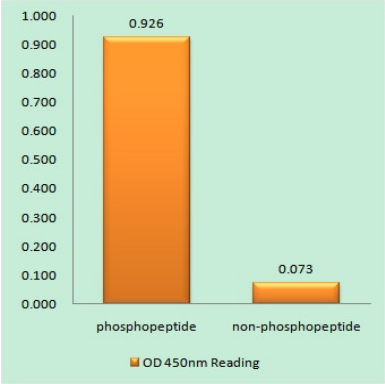
Research Area

Signal Transduction

Image Data

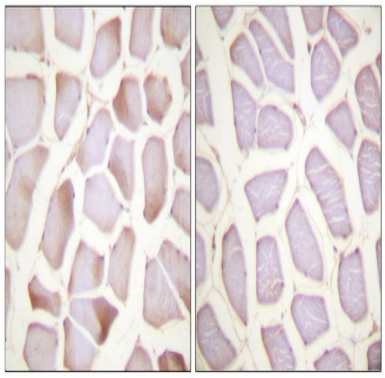


Western blot analysis of Phospho-Cardiac Troponin I (Ser22/Ser23) in SH-SY5Y lysates using Phospho-Cardiac Troponin I (Ser22/Ser23) antibody.

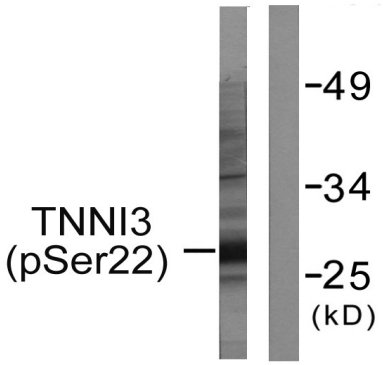


EnzymeLinked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phospho-peptide (Phospho-left) and NonPhospho-peptide (Phospho-right), using TNNI3 (Phospho-Ser22+Ser23) antibody.

Product Name: Phospho-Cardiac Troponin I (Ser22/Ser23) Rabbit Polyclonal Antibody
Catalog #: APRab00836



Immunohistochemistry analysis of paraffin-embedded Human skeletal muscle using TNNI3 (Phospho-Ser22+Ser23) antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.Sample with blocking peptide on the right.



Western blot analysis of Phospho-Cardiac Troponin I (Ser22/Ser23) in mouse heart lysates using Phospho-Cardiac Troponin I (Ser22/Ser23) antibody.The lane on the right is blocked with the Phospho- peptide.

Note

For research use only.