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Product datasheet for TA385436

Tnni3 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB: 1/500-1/2000 IHC: 1/100-1/300 ELISA: 1/20000
Reactivity:	Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The antiserum was produced against synthesized peptide derived from mouse TNNI3 around the phosphorylation site of Ser22 and Ser23. AA range:5-54 (Phosphorylated)
Formulation:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Concentration:	lot specific
Purification:	Affinity Chromatography
Conjugation:	Unconjugated
Storage:	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Stability:	1 year
Predicted Protein Size:	Observed MW (kDa):28
Database Link:	P23693
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).

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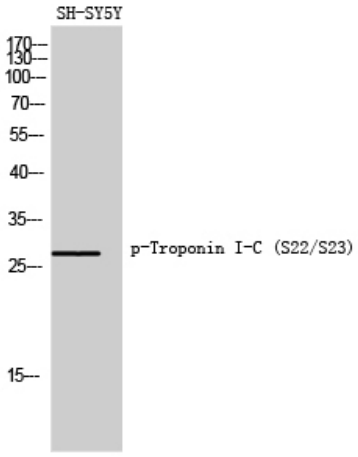
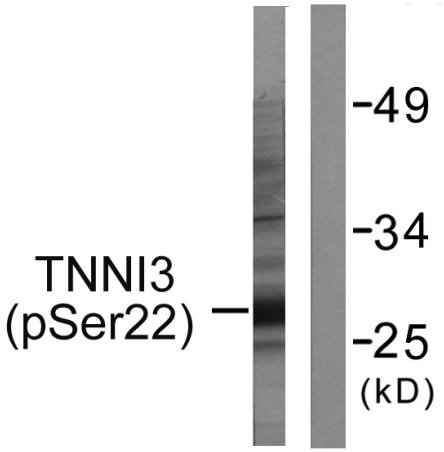
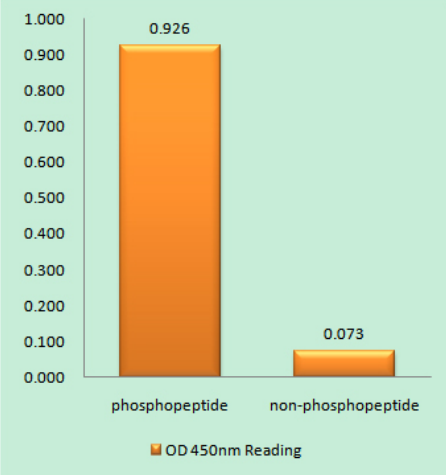
Product images:



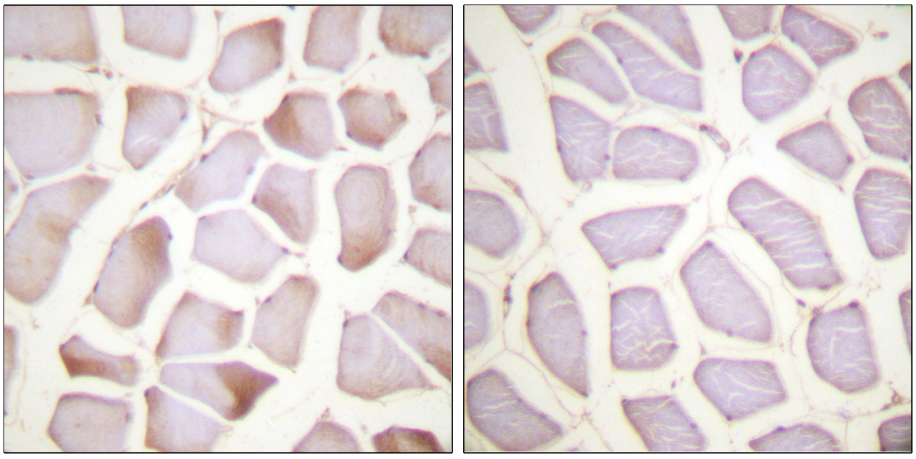
Western blot analysis of Phospho-Cardiac Troponin I (Ser22/Ser23) in SH-SY5Y lysates using Phospho-Cardiac Troponin I (Ser22/Ser23) antibody.



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.



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



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.