

Phospho-Cardiac Troponin I (Ser23, Ser24) Polyclonal Antibody

Product Details

Size	100 µL
Species Reactivity	Human, Mouse, Rat
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser23/24 of mouse TNNI3 conjugated to KLH
Form	Liquid
Concentration	~0.25 mg/mL
Purification	Affinity chromatography
Storage buffer	0.01M HEPES, pH 7.5, with 50% glycerol, 0.15M NaCl, 0.1mg/mL BSA
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2552721

Applications

Tested Dilution

Publications

Western Blot (WB)

1:1,000

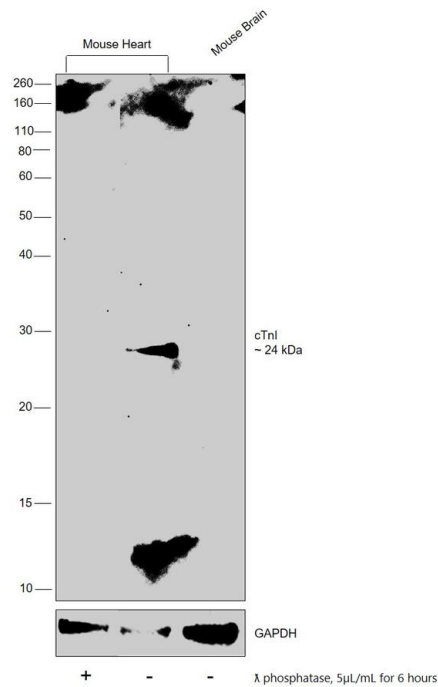
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Product Specific Information

This antibody is predicted to react with human and non-human primate based on 100% sequence homology.

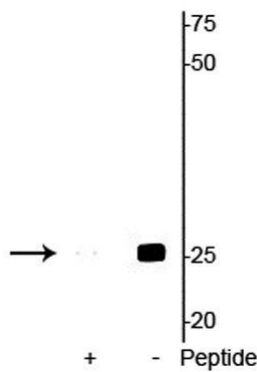
This antibody contains enough material to conduct 10 mini-Western blots.

Product Images For Phospho-Cardiac Troponin I (Ser23, Ser24) Polyclonal Antibody



Phospho-Cardiac Troponin I (Ser23, Ser24) Antibody (PA5-35411) in WB

Western blot was performed using anti-Phospho-Cardiac Troponin I (Ser23, Ser24) Polyclonal Antibody (Product # PA5-35411) and a 24 kDa band corresponding to Phospho-Cardiac Troponin I was observed in Mouse Heart but decreased upon lambda phosphatase treatment, also the expression was negative in Mouse Brain. Tissue extracts (30 µg lysate) of Mouse Heart (Lane 1), Mouse Heart treated with lambda phosphatase (5 µL/mL for 6 hours) and Mouse Brain (Lane 3) were electrophoresed using Novex® NuPAGE® 12 % Bis-Tris gel (Product # NP0342BOX). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001). Lane 1 was treated with 5 µL/mL of lambda phosphatase for 6 hours at room temperature. The blot was probed with the primary antibody (1:1,000 dilution) and detected by chemiluminescence with Goat anti-Rabbit IgG (Heavy Chain), Superclonal™ Recombinant Secondary Antibody, HRP (Product # A27036, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using SuperSignal™ West Dura Extended Duration Substrate (Product # 34076).



Phospho-Cardiac Troponin I (Ser23, Ser24) Antibody (PA5-35411) in WB

Western blot of Cardiac Troponin I in mouse heart lysate showing specific immunolabeling of a band at ~25 kDa corresponding to Phospho-Cardiac Troponin I (Ser23, Ser24) polyclonal antibody (Product # PA5-35411) in the second lane (-). Phosphospecificity is shown in the first lane (+) where immunolabeling is blocked by pre-adsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide (not shown).

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