

Cardiac Troponin I (phospho Ser23/Ser24) antibody [HL3796]

Cat. No. GTX642015

Host	Rabbit
Clonality	Monoclonal
Isotype	IgG
Applications	WB
Reactivity	Human, Mouse

Package
100 µl, 25 µl

Applications

Application Note

*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:3000

Not tested in other applications.

Observed MW (kDa) 28 kDa.

Product Note This antibody detects Cardiac Troponin I protein when dually phosphorylated at Ser23 and Ser24 or singly phosphorylated at Ser24, but it does not recognize Cardiac Troponin I protein when singly phosphorylated at Ser23.

Properties

Form	Liquid
Buffer	PBS
Preservative	No preservatives
Storage	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
Concentration	1 mg/ml (Please refer to the vial label for the specific concentration.)
Immunogen	Carrier-protein conjugated synthetic peptide surrounding phospho Ser23/Ser24 of mouse Cardiac Troponin I. The exact sequence is proprietary.
Purification	Affinity purified by Protein A.
Conjugation	Unconjugated

Note

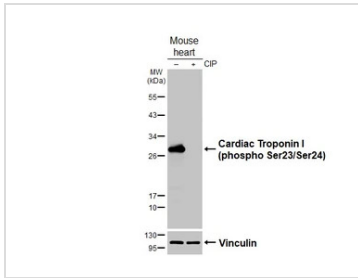
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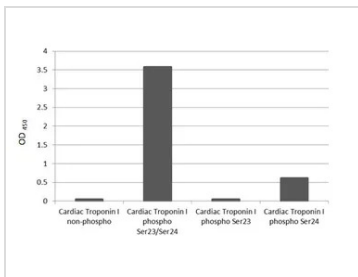


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DATA IMAGES

GTX642015 WB Image

Untreated (–) and treated (+) mouse tissue extracts (50 µg) were separated by 12% SDS-PAGE, and the membrane was blotted with Cardiac Troponin I (phospho Ser23/Ser24) antibody [HL3796] (GTX642015) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody (GTX213110-01) was used to detect the primary antibody.


GTX642015 Image

Specificity test was performed by coating the plate with recombinant Cardiac Troponin I non-phospho peptide, Cardiac Troponin I (phospho Ser23/Ser24) peptide, Cardiac Troponin I (phospho Ser23) peptide, and Cardiac Troponin I (phospho Ser24) peptide (62.5 ng/mL). Coated protein was probed with Cardiac Troponin I (phospho Ser23/Ser24) antibody [HL3796] (GTX642015) (1 µg/mL). Goat anti-rabbit IgG antibody (HRP) (GTX213110-01) (1:10000) was used to detect the bound primary antibody.



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