For Research Use Only

Phospho-Cardiac Troponin I (Ser23/24) Recombinant antibody, PBS Only

Catalog Number:85002-1-PBS

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Basic Information

Catalog Number:
85002-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC096165

GeneID (NCBI):
7137

UNIPROT ID:
P19429

Full Name:
troponin I type 3 (cardiac)

Calculated MW:
210 aa, 24 kDa

Observed MW:
26 kDa

Purification Method:
Protein A purfication

CloneNo.:
241982B1

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse

Background Information

Cardiac Troponin I (cTnI) is produced by cardiac muscle. To date, most investigative effort in phosphorylation mediated regulation of cTnI function has focused on the actions of PKA and PKC. Evidence from studies in a variety of systems, ranging from reconstituted myofilament proteins to cultured myocytes or transgenic animals with heterologous expression of modified cTnI proteins, indicates that PKA-mediated functional effects (eg, decreased myofilament Ca2 sensitivity) are mediated principally through the phosphorylation of Ser22/23 (equivalent to Ser23/24, including the initiating Met, in the rodent sequence) within the unique N-terminal extension of cTnI. (PMID: 15514163)

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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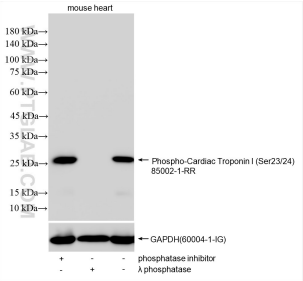
Selected Validation Data



Non-treated mouse heart tissue, phosphatase inhibitor treated mouse heart tissue and λ phosphatase treated mouse heart tissue were subjected to SDS PAGE followed by western blot with 85001-1-RR (Phospho-Cardiac Troponin I (Ser23/24) antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as a loading control. This data was developed using the same