

For Research Use Only

Cardiac Troponin I Recombinant monoclonal antibody, PBS Only

Catalog Number:86791-1-PBS



Basic Information

Catalog Number: 86791-1-PBS	GenBank Accession Number: BC096165	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7137	CloneNo.: 251696H7
Source: Rabbit	UNIPROT ID: P19429	
Isotype: IgG	Full Name: troponin I type 3 (cardiac)	
Immunogen Catalog Number: AG16365	Calculated MW: 210 aa, 24 kDa	
	Observed MW: 24-26 kDa	

Applications

Tested Applications:
WB, IHC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Troponin I (TnI) is the inhibitory subunit of troponin, the structural protein involved in the regulation of striated muscle contraction. Cardiac Troponin I (cTnI) is produced by cardiac muscle. cTnI has been considered as one of the most specific and sensitive markers of myocardial damage like acute myocardial infarction (AMI) for decades. Detection of cTnI in serum is widely accepted as a diagnostic tool in acute coronary syndromes.

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

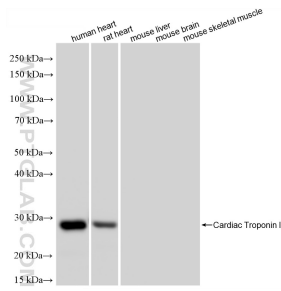
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

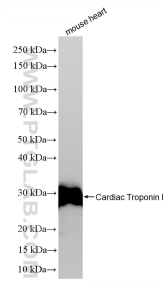
E: proteintech@ptglab.com
W: ptglab.com

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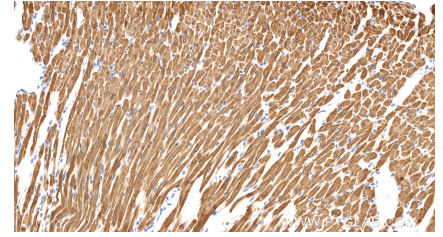
Selected Validation Data



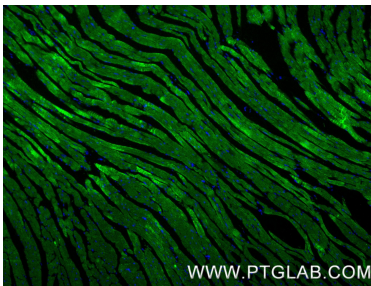
Various lysates were subjected to SDS PAGE followed by western blot with 86791-1-RR (Cardiac Troponin I antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. Negative control: mouse liver tissue, mouse brain tissue, mouse skeletal muscle tissue. This data was developed using the same antibody clone with 86791-1-PBS in a different storage buffer formulation.



Mouse heart tissue were subjected to SDS PAGE followed by western blot with 86791-1-RR (Cardiac Troponin I antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86791-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat heart tissue slide using 86791-1-RR (Cardiac Troponin I antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86791-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse heart tissue using Cardiac Troponin I antibody (86791-1-RR, Clone: 251696H7) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86791-1-PBS in a different storage buffer formulation.