

Cardiac Troponin I Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Full length human Cardiac Troponin I Recombinant protein.
Form	Liquid
Concentration	0.05 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol, 1% BSA
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2546440

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000-1:10,000	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-

Product Specific Information

Recommended positive controls: HepG2, mouse heart.

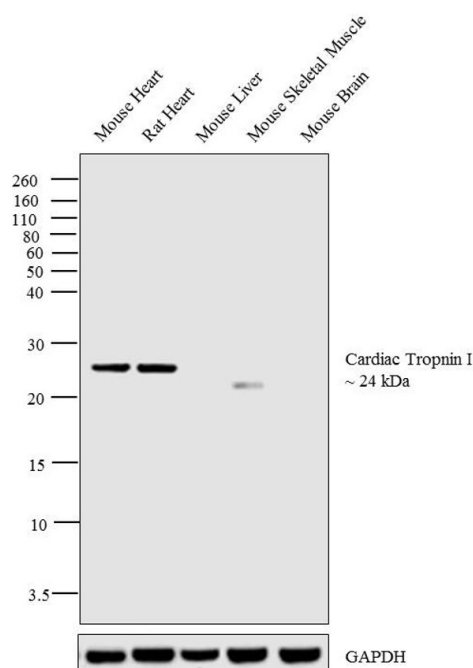
Predicted reactivity: Mouse (92%), Rat (92%), Dog (94%), Cat (94%), Pig (93%), Bovine (91%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For Cardiac Troponin I Polyclonal Antibody

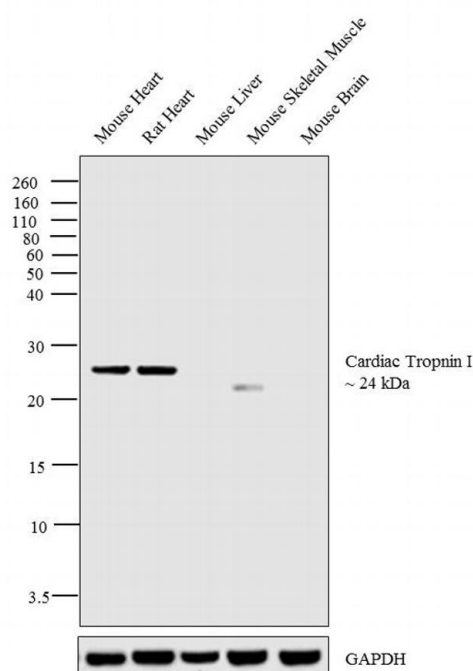
Cardiac Troponin I Antibody (PA5-28964)

Antibody specificity was demonstrated by detection of differential basal expression of the target across tissue models owing to their inherent genetic constitution. Expression of Cardiac Troponin I was observed specifically in heart tissue using Cardiac Troponin I Polyclonal Antibody (Product # PA5-28964) in Western Blot. {RE}



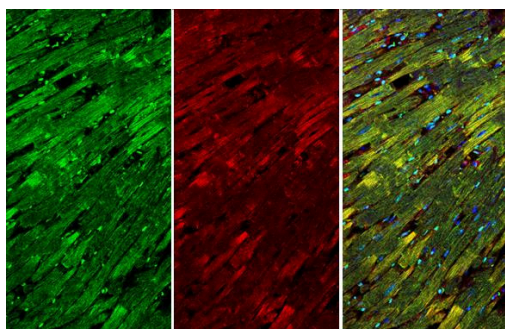
Cardiac Troponin I Antibody (PA5-28964) in WB

Western blot analysis was performed on tissue extracts (30 µg lysate) of Mouse Heart (Lane 1), Rat Heart (Lane 2), Mouse Liver (Lane 3), Mouse Skeletal Muscle (Lane 4) and Mouse Brain (Lane 5). The blot was probed with Anti-Cardiac Troponin I Polyclonal Antibody (Product # PA5-28964, 1:2,000 dilution) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution). A 24 kDa band corresponding to Cardiac Troponin I was detected only in Mouse and Rat Heart which are reported positive for Cardiac Troponin I expression.



Cardiac Troponin I Antibody (PA5-28964) in IHC (P)

Troponin I (cardiac) antibody detects Troponin I (cardiac) protein at cytoplasm by immunohistochemical analysis. Sample: Paraffin-embedded mouse heart. Green: Troponin I (cardiac) stained by Troponin I (cardiac) antibody (Product # PA5-28964) diluted at 1:250. Red: beta Actin, a cytoskeleton marker, stained by beta Actin antibody [GT5512] diluted at 1:500. Blue: Fluoroshield with DAPI. Antigen Retrieval: Citrate buffer, pH 6.0, 15 min.



View more figures on thermofisher.com

1 Reference

Western Blot (1)

Clinical genetics	Year 2019
Targeted panel sequencing in pediatric primary cardiomyopathy supports a critical role of TNNI3.	Species Human
"PA5-28964 was used in Western Blotting to characterize the mutational spectrum of primary cardiomyopathy in a large cohort of patients, to understand the underlying genetic mechanisms and early pathological events of children with primary cardiomyopathy."	
Authors: Kühnisch J,Herbst C,Al-Wakeel-Marquard N,Dartsch J,Holtgrewe M,Baban A,Mearini G,Hardt J,Kolokotronis K, Gerull B,Carrier L,Beule D,Schubert S,Messroghli D,Degener F,Berger F,Klaassen S	

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