

Product Datasheet

Cardiac Troponin T Rabbit Polyclonal Antibody (orb182936)

Catalog Number	orb182936
Category	Antibodies
Description	Cardiac Troponin T Rabbit Polyclonal Antibody
Target	TNNT2
Clonality	Polyclonal
Species/Host	Rabbit
Isotype	IgG
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Predicted Reactivity	Bovine, Canine, Porcine
Form/Appearance	Liquid
Concentration	1mg/ml
Buffer/Preservatives	0.01M TBS (pH7.4) with 1% rAlbumin, 0.02% Proclin300 and 50% Glycerol.
Purification	Affinity purified by Protein A
Immunogen	KLH conjugated synthetic peptide derived from human Cardiac Troponin T (201-298/298aa)
UniProt ID	P45379

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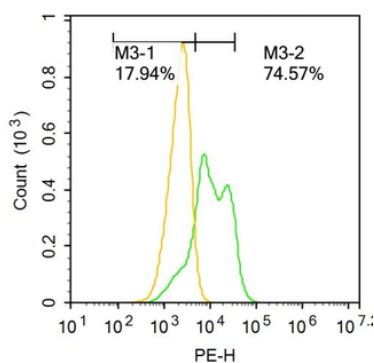
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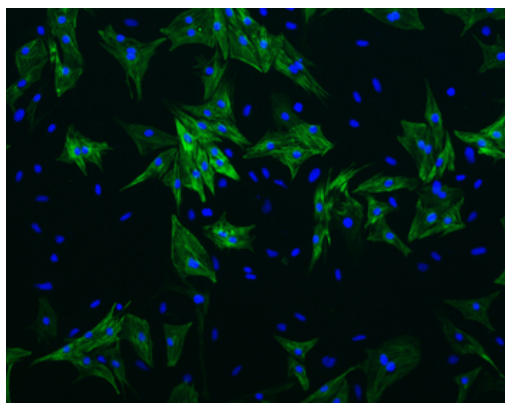
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MW	36 kDa
Tested applications	FC, ICC, IF, IHC-Fr, IHC-P, WB
Dilution range	WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, ICC/IF=1:100-500, IF=1:100-500, Flow-Cyt=1µg/Test
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.



Blank control: U-2OS. Primary Antibody (green line): Rabbit Anti-TNNT2 antibody (orb182936), dilution: 1 µg/10⁶ cells, Isotype Control Antibody (orange line): Rabbit IgG. Secondary Antibody: Goat anti-rabbit IgG-AF647, dilution: 1 µg/Test. Protocol, The cells were fixed with 4% PFA (10 min at room temperature) and then permeabilized with 0.1% PBST for 20 min at -20°C. The cells were then incubated in 5% BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20000 events was performed.



Cell: Neonatal rat ventricular cardiomyocytes, dilution: 1:400, Incubation: Anti-Cardiac Troponin T Antibody, unconjugated (orb182936), DAPI was used to stain the cell nuclei.

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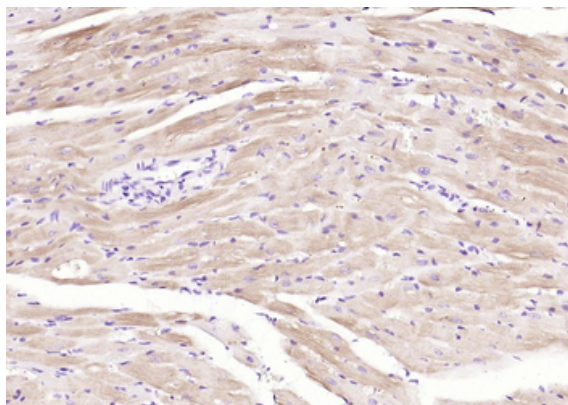
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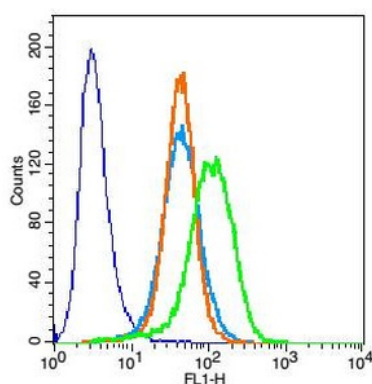
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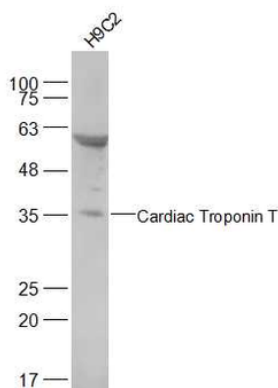
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Paraformaldehyde-fixed, paraffin embedded (mouse heart), Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30 min, Antibody incubation with (Cardiac Troponin T) Polyclonal Antibody, Unconjugated (orb182936) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Positive control: H9C2 cells, Concentration: 2 µg/10⁶ cells, Incubation conditions: Avoid light, 30 minutes on the ice.



Sample: H9C2 (Rat) Cell Lysate at 30 µg, Primary: Anti-alpha smooth muscle Actin (orb182936) at 1/500 dilution, Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution, Predicted band size: 36 kD, Observed band size: 36 kD.

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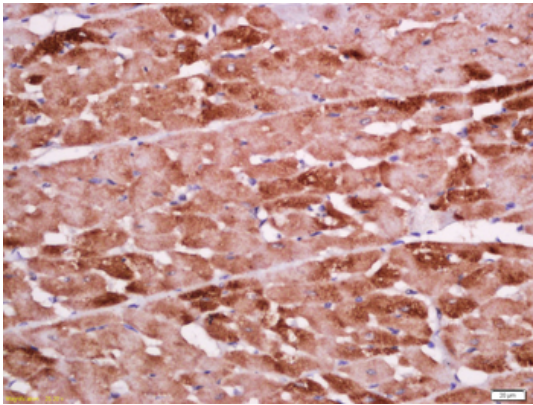
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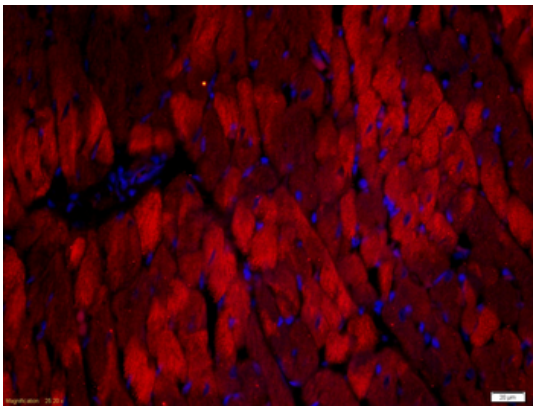
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Tissue/Cell: rat heart tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-TNNT2 Polyclonal Antibody, Unconjugated (orb182936) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.



Tissue/Cell: rat heart tissue, 4% Paraformaldehyde-fixed and paraffin-embedded, Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15 min, Blocking buffer (normal goat serum) at 37°C for 20 min, Incubation: Anti-TNNT2 Polyclonal Antibody, Unconjugated 1:500, overnight at 4°C, The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated (orb868589) used at 1:200 dilution for 40 minutes at 37°C. DAPI (5 ug/ml, blue) was used to stain the cell nuclei.

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