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**Product Name: Cardiac Troponin C Rabbit Monoclonal Antibody****Catalog #: AMRe84494**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC
<b>Reactivity</b>	Human,Mouse,Rat
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.71mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide,0.05% protective protein and 50% glycerol.
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:1000-1:2000,IHC 1:100-1:200
<b>Molecular Weight</b>	18 kDa

**Antigen Information**

<b>Gene Name</b>	Cardiac Troponin C
<b>Alternative Names</b>	tnc1a; TNC; Tnnc1; TNNI3; Troponin C;;TNNC1
<b>Gene ID</b>	
<b>SwissProt ID</b>	P63316
<b>Immunogen</b>	A synthesized peptide derived from human TNNC1

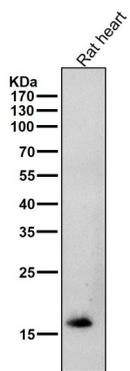
**Background**

Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C

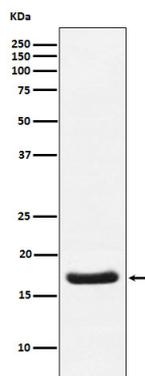
abolishes the inhibitory action of Tn on actin filaments.

## Research Area

## Image Data



All lanes use the Antibody at 1:2K dilution for 1 hour at room temperature.



Western blot analysis of Cardiac Troponin C expression in Human fetal heart lysate.