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**Product Name: Cardiac Troponin T Rabbit Monoclonal Antibody****Catalog #: AMRe86757**

For research use only.

**Summary**

|                      |  |
|----------------------|--|
| <b>Description</b>   | Recombinant rabbit monoclonal antibody   |
| <b>Host</b>          | Rabbit   |
| <b>Application</b>   | WB,IHC,ICC/IF,FC   |
| <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> | 0.09mg/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>        | Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt. |
| <b>Purification</b>  | Affinity Purification  |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | WB 1:1000-1:5000,IHC 1:500-1:2000,ICC/IF 1:200-1:2000,FC 1:200-1:500 |
| <b>Molecular Weight</b> | Calculated MW:36 kDa; Observed MW:40 kDa                             |

**Antigen Information**

|                          |   |
|--------------------------|---|
| <b>Gene Name</b>         | Cardiac Troponin T                              |
| <b>Alternative Names</b> | CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6     |
| <b>Gene ID</b>           | 7139  |
| <b>SwissProt ID</b>      | P45379  |
| <b>Immunogen</b>         | Recombinant protein of human Cardiac Troponin T |

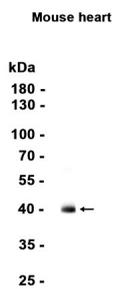
**Background**

The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion

concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined. [provided by RefSeq, Jul 2008]

## Research Area

## Image Data



Western blot analysis of extracts from Mouse heart tissue using Cardiac Troponin T Rabbit Monoclonal Antibody at 1:10000.