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**Product Name: TNNT2 Mouse Monoclonal Antibody****Catalog #: AMM82869**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	WB,IHC,ELISA,FC
<b>Reactivity</b>	Human, Mouse
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<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
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400
<b>Molecular Weight</b>	35.9kDa

**Antigen Information**

<b>Gene Name</b>	TNNT2
<b>Alternative Names</b>	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
<b>Gene ID</b>	7139.0
<b>SwissProt ID</b>	P45379
<b>Immunogen</b>	Purified recombinant fragment of human TNNT2 (AA: full 1-295) expressed in E. Coli.

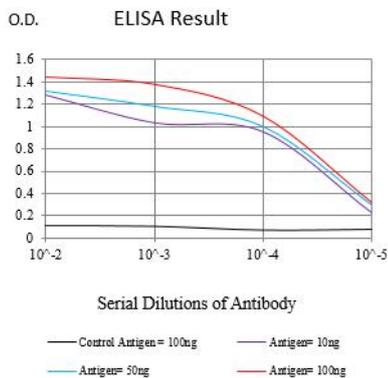
**Background**

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

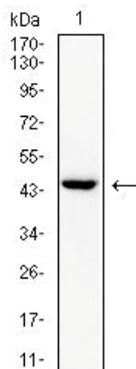
cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.

## Research Area

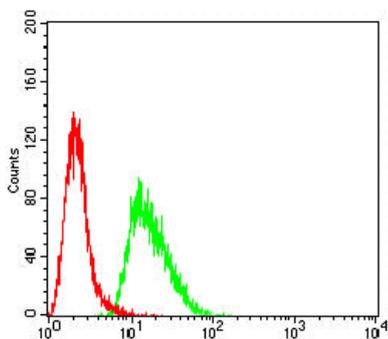
## Image Data



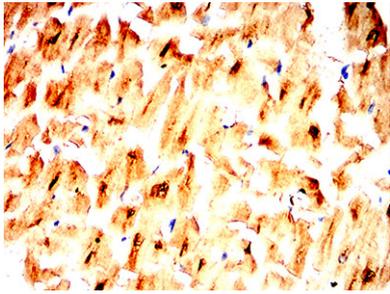
Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)



Western blot analysis using TNNT2 mouse mAb against mouse heart (1) cell lysate.



Flow cytometric analysis of Hale cells using TNNT2 mouse mAb (green) and negative control (red).



Immunohistochemical analysis of paraffin-embedded human myocardium tissues using TNNT2 mouse mAb with DAB staining.