

# Troponin T Antibody

Rabbit mAb

Catalog # AP90673

## Product Information

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<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">P45379</a>
<b>Reactivity</b>	Rat, Human, Mouse
<b>Clonality</b>	Monoclonal
<b>Other Names</b>	TNNT2 ; Cardiac muscle troponin T; Troponin T, cardiac muscle; troponin T type 2 (cardiac);
<b>Isotype</b>	Rabbit IgG
<b>Host</b>	Rabbit
<b>Calculated MW</b>	35924

## Additional Information

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<b>Dilution</b>	WB 1:5000~1:20000 IHC 1:50~1:200
<b>Purification</b>	Affinity-chromatography
<b>Immunogen</b>	A synthesized peptide derived from human Troponin T
<b>Description</b>	Troponin, working in conjunction with tropomyosin, functions as a molecular switch, regulating muscle contraction in response to changes in the intracellular Ca <sup>2+</sup> concentration. Troponin consists of three subunits: the Ca <sup>2+</sup> -binding subunit troponin C (TnC), the tropomyosin-binding subunit troponin T (TnT), and the inhibitory subunit troponin I (TnI).
<b>Storage Condition and Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

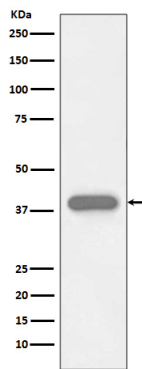
## Protein Information

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<b>Name</b>	TNNT2
<b>Function</b>	Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
<b>Tissue Location</b>	Heart. The fetal heart shows a greater expression in the atrium than in the ventricle, while the adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also expressed in failing adult heart

## Images

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Western blot analysis of Troponin T expression in human fetal heart lysate.

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Immunohistochemical analysis of paraffin-embedded human heart muscle, using Troponin T Antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.