

Troponin T Antibody
Rabbit mAb
Catalog # AP90673**Specification**

Troponin T Antibody - Product Information

Application	WB, IHC
Primary Accession	P45379
Reactivity	Rat
Clonality	Monoclonal
Other Names	
TNNT2 ; Cardiac muscle troponin T; Troponin T, cardiac muscle; troponin T type 2 (cardiac);	
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	35924 Da

Troponin T Antibody - Additional Information

Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human Troponin T
Description	Troponin, working in conjunction with tropomyosin, functions as a molecular switch, regulating muscle contraction in response to changes in the intracellular Ca ²⁺ concentration. Troponin consists of three subunits: the Ca ²⁺ -binding subunit troponin C (TnC), the tropomyosin-binding subunit troponin T (TnT), and the inhibitory subunit troponin I (TnI).
Storage Condition and Buffer	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.

Troponin T Antibody - Protein Information**Name** TNNT2**Function**

Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Tissue Location

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

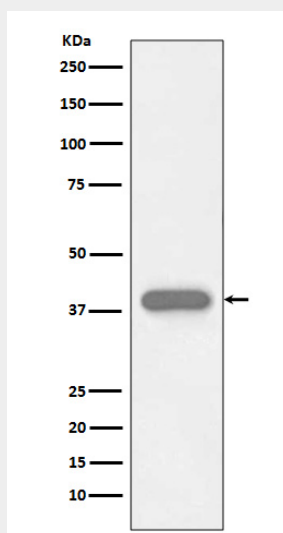
in failing adult heart

Troponin T Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Troponin T Antibody - Images



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