

cardiac troponin T Antibody (C-Term)
Peptide-affinity purified goat antibody
Catalog # AF3881a**Specification**

cardiac troponin T Antibody (C-Term) - Product Information

Application	WB
Primary Accession	P45379
Other Accession	NP_000355.2 , NP_001001430.1 , NP_001001431.1 , NP_001001432.1 , 7139 , 21956 (mouse) , 24837 (rat)
Reactivity	Human, Mouse, Rat, Pig
Predicted	Dog, Cow, Cat
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	35924

cardiac troponin T Antibody (C-Term) - Additional Information**Gene ID** 7139**Other Names**

Troponin T, cardiac muscle, TnTc, Cardiac muscle troponin T, cTnT, TNNT2

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

cardiac troponin T Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

cardiac troponin T Antibody (C-Term) - 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

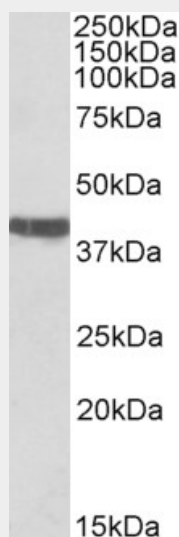
adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also expressed in failing adult heart

cardiac troponin T Antibody (C-Term) - 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](#)

cardiac troponin T Antibody (C-Term) - Images



AF3881a (0.03 µg/ml) staining of Rat Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

cardiac troponin T Antibody (C-Term) - Background

This antibody is expected to recognize all reported isoforms (NP_000355.2; NP_001001430.1; NP_001001431.1; NP_001001432.1).

cardiac troponin T Antibody (C-Term) - References

Phosphorylation, but not alternative splicing or proteolytic degradation, is conserved in human and mouse cardiac troponin T. Zhang J, Zhang H, Ayaz-Guner S, Chen YC, Dong X, Xu Q, Ge Y Biochemistry. 2011 Jul 12;50(27):6081-92. PMID: 21639091