

Goat Anti-cardiac troponin T Antibody (internal region)
Purified Goat Polyclonal Antibody
Catalog # AF4231a**Specification****Goat Anti-cardiac troponin T Antibody (internal region) - Product Information**

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

Goat Anti-cardiac troponin T Antibody (internal region) - Additional Information**Gene ID** 7139**Other Names**

TNNT2; troponin T type 2 (cardiac); CMH2; CMPD2; LVNC6; MGC3889; RCM3; TnTC; cTnT;
OTTHUMP00000033864; OTTHUMP00000033865; OTTHUMP00000033866;
OTTHUMP00000033867; OTTHUMP00000033870; OTTHUMP00000218095; cardiac muscle
troponin T; cardiomyopathy, dilated 1D (autosomal dominant); cardiomyopathy, hypertrophic 2;
troponin T, cardiac muscle; troponin T2, cardiac

Dilution

WB~~1:1000
E~~N/A

Format

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

Immunogen

Peptide with sequence C-TERKSGKRQTERE, from the internal region of the protein sequence
according to NP_000355.2; NP_001001430.1; NP_001001431.1; NP_001001432.1.

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

Goat Anti-cardiac troponin T Antibody (internal region) is for research use only and not for use in
diagnostic or therapeutic procedures.

Goat Anti-cardiac troponin T Antibody (internal region) - 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

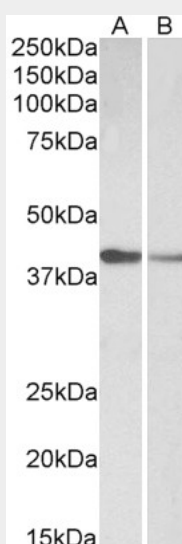
Heart. The fetal heart shows a greater expression in the atrium than in the ventricle, while the adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also expressed in failing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

Goat Anti-cardiac troponin T Antibody (internal region) - Protocols

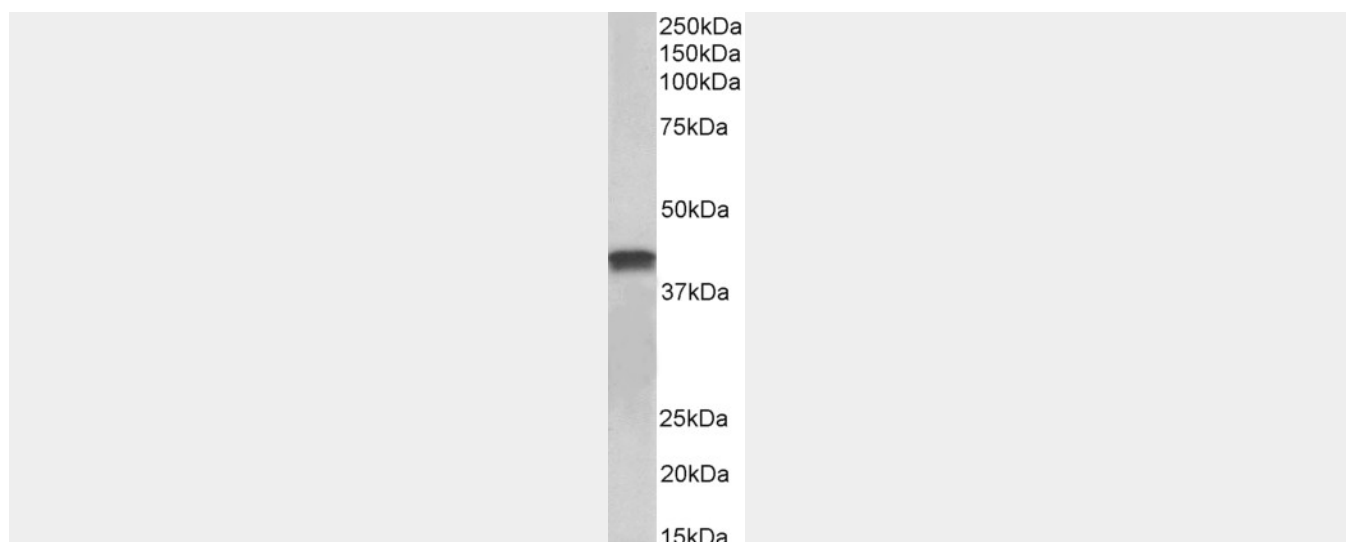
Provided below are standard protocols that you may find useful for product applications.

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

Goat Anti-cardiac troponin T Antibody (internal region) - Images



AF4231a (0.1 µg/ml) staining of Human (A) and Mouse (B) Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



AF4231a (0.1 µg/ml) staining of Pig Heart lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-cardiac troponin T Antibody (internal region) - 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.