10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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**
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, Cow, 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

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

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

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.

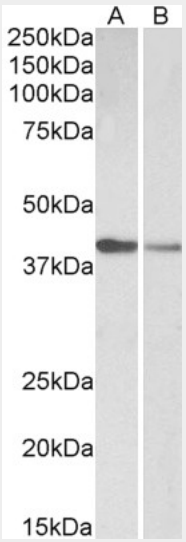
Tissue Location
Heart. The fetal heart shows a greater expression in the atrium than in the ventricle, while the adult heart shows a greater expression in the ventricle than in the atrium. Isoform 6 predominates in normal adult heart. Isoforms 1, 7 and 8 are expressed in fetal heart. Isoform 7 is also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

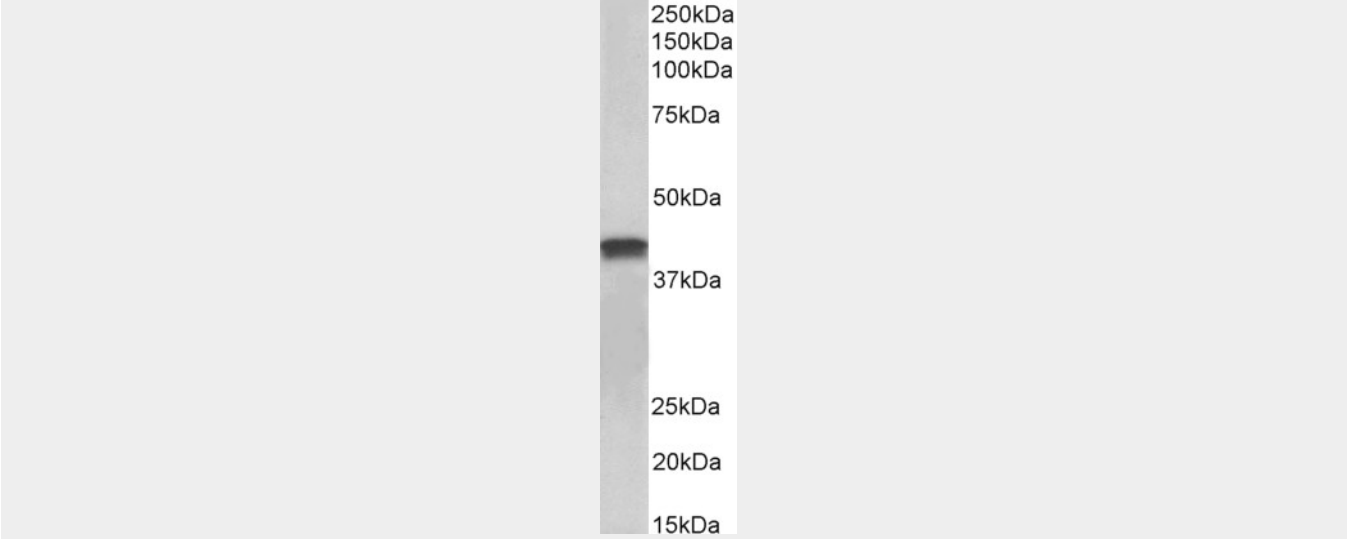
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999



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.