

TNNT2 / CTNT Antibody
Mouse Monoclonal Antibody
Catalog # ALS12880**Specification**

TNNT2 / CTNT Antibody - Product Information

Application	IHC-P, IF
Primary Accession	P45379
Reactivity	Human, Mouse, Rat, Rabbit, Monkey, Chicken, Sheep, Horse, Bovine, Dog
Host	Mouse
Clonality	Monoclonal
Calculated MW	36kDa KDa
Dilution	IHC-P~~N/A IF~~1:50~200

TNNT2 / CTNT Antibody - Additional Information**Gene ID** 7139**Other Names**

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

Target/Specificity

Recognizes the cardiac isoform of rabbit Troponin T (cTnT). Species cross-reactivity: Canine, chicken, goldfish, guinea pig, human, mouse, porcine, rat, sparrow. Does not react with frog.

Reconstitution & Storage

+4°C or -20°C, Avoid repeated freezing and thawing.

Precautions

TNNT2 / CTNT Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TNNT2 / CTNT 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

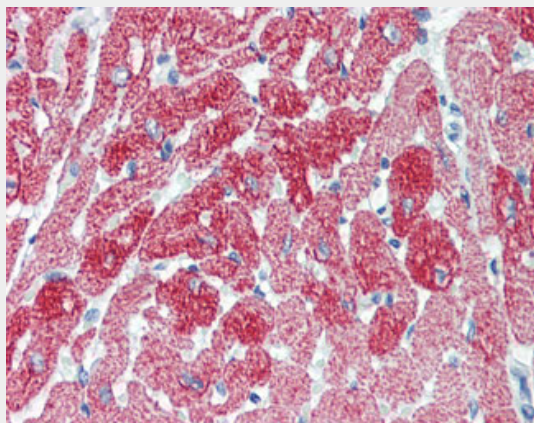
Volume
50 µl

TNNT2 / CTNT 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](#)

TNNT2 / CTNT Antibody - Images



Anti-TNNT2 / CTnT antibody IHC of human rabbit heart.

TNNT2 / CTNT Antibody - Background

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

TNNT2 / CTNT Antibody - References

Mesnard L., et al. FEBS Lett. 328:139-144(1993).
Townsend P.J., et al. Genomics 21:311-316(1994).
Townsend P.J., et al. J. Mol. Cell. Cardiol. 27:2223-2236(1995).
Anderson P.A., et al. Circ. Res. 76:681-686(1995).
Mesnard L., et al. Circ. Res. 76:687-692(1995).