

TNNC1 / Cardiac Troponin C Antibody
Mouse Monoclonal Antibody
Catalog # ALS14225**Specification**

TNNC1 / Cardiac Troponin C Antibody - Product Information

Application	IHC
Primary Accession	P63316
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Calculated MW	18kDa KDa

TNNC1 / Cardiac Troponin C Antibody - Additional Information**Gene ID** 7134**Other Names**

Troponin C, slow skeletal and cardiac muscles, TN-C, TNNC1, TNNC

Target/Specificity

Recognizes human cardiac Troponin C: 100%.

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions

TNNC1 / Cardiac Troponin C Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

TNNC1 / Cardiac Troponin C Antibody - Protein Information**Name** TNNC1**Synonyms** TNNC**Function**

Troponin is the central regulatory protein of striated muscle contraction. Tn consists of three components: Tn-I which is the inhibitor of actomyosin ATPase, Tn-T which contains the binding site for tropomyosin and Tn-C. The binding of calcium to Tn-C abolishes the inhibitory action of Tn on actin filaments.

Volume

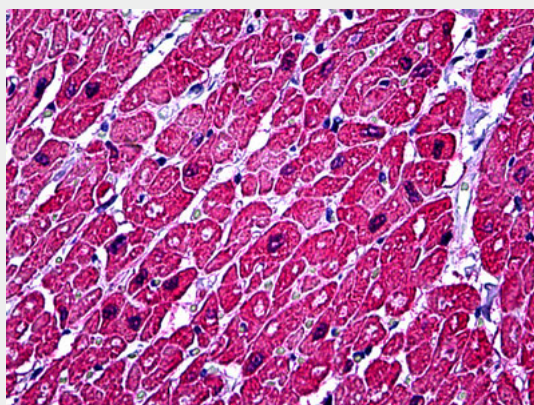
50 µl

TNNC1 / Cardiac Troponin C Antibody - Protocols

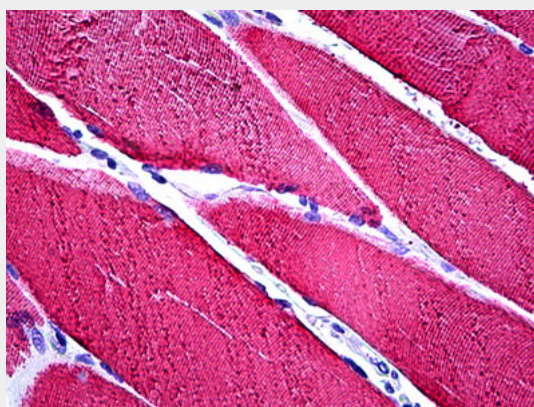
Provided below are standard protocols that you may find useful for product applications.

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

TNNC1 / Cardiac Troponin C Antibody - Images



Anti-TNNC1 antibody IHC of human heart.



Anti-TNNC1 antibody IHC of human skeletal muscle.

TNNC1 / Cardiac Troponin C Antibody - Background

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TNNC1 / Cardiac Troponin C Antibody - References

Roher A.,et al.Muscle Nerve 9:73-77(1986).
Gahlmann R.,et al.J. Mol. Biol. 201:379-391(1988).
Schreier T.,et al.J. Biol. Chem. 265:21247-21253(1990).
Margossian S.S.,et al.Submitted (AUG-1997) to the EMBL/GenBank/DDBJ databases.

Spyracopoulos L.,et al.Biochemistry 36:12138-12146(1997).