

TNINI3 Antibody (Ascites)
Mouse Monoclonal Antibody (Mab)
Catalog # AM1979A**Specification**

TNINI3 Antibody (Ascites) - Product Information

Application	WB,E
Primary Accession	P19429
Other Accession	P02646 , P08057 , NP_000354.4 , Q5PYI0
Reactivity	Human
Predicted	Bovine, Horse, Rabbit
Host	Mouse
Clonality	Monoclonal
Isotype	IgM
Calculated MW	24008
Antigen Region	52-79

TNINI3 Antibody (Ascites) - Additional Information**Gene ID** 7137**Other Names**

Troponin I, cardiac muscle, Cardiac troponin I, TNNI3, TNNC1

Target/Specificity

This TNINI3 antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 52-79 amino acids from human TNINI3.

Dilution

WB~~1:500~8000

Format

Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.

Storage

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

Precautions

TNINI3 Antibody (Ascites) is for research use only and not for use in diagnostic or therapeutic procedures.

TNINI3 Antibody (Ascites) - Protein Information**Name** TNNI3**Synonyms** TNNC1

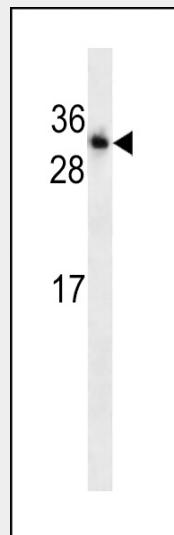
Function Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

TNINI3 Antibody (Ascites) - 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](#)

TNINI3 Antibody (Ascites) - Images



TNINI3 antibody (Cat. #AM1979a) western blot analysis in HepG2 cell line lysates (35µg/lane). This demonstrates the TNINI3 antibody detected the TNINI3 protein (arrow).

TNINI3 Antibody (Ascites) - Background

Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (RCM).

TNINI3 Antibody (Ascites) - References

Millat, G., et al. Clin. Chim. Acta 411 (23-24), 1983-1991 (2010) :

Murakami, C., et al. Leg Med (Tokyo) 12(6):280-283(2010)
Millat, G., et al. Eur J Med Genet 53(5):261-267(2010)
Di Chiara, A., et al. J Cardiovasc Med (Hagerstown) 11(8):587-592(2010)
Napan, S., et al. Coron. Artery Dis. 21(5):261-265(2010)