

anti- Cardiac Troponin I antibody

Product Information

Catalog No.:	FNab01273
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

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).

Immunogen information

Immunogen:	troponin I type 3 (cardiac)
Synonyms:	Cardiac troponin I, cTnI, RCM1, TNNC1, TNNI3, troponin I type 3 (cardiac), Troponin I, cardiac muscle
Observed MW:	26 kDa
Uniprot ID :	P19429

Application

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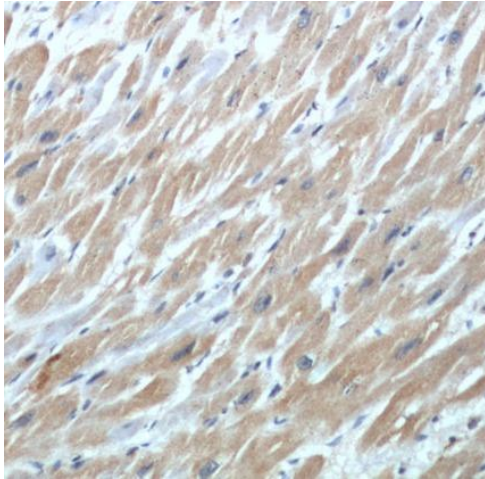
www.fn-test.com

Reactivity: Human, Mouse, Rat

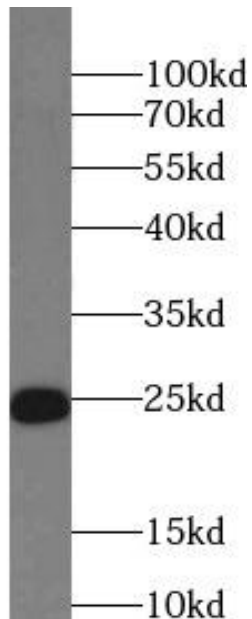
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500 - 1:2000; IHC: 1:50 - 1:200

Image:



Immunohistochemistry of paraffin-embedded human heart using FNab01273(TNNI3 antibody) at dilution of 1:50



rat heart tissue were subjected to SDS PAGE followed by western blot with FNab01273(TNNI3 Antibody) at dilution of 1:1000