

anti- Cardiac Troponin I antibody

Product Information

Catalog No.:	FNab09781
Size:	100 μ g
Form:	liquid
Purification:	Protein A+G purification
Purity:	\geq 95% as determined by SDS-PAGE
Host:	Mouse
IsoType:	IgG1
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3 , -20°C for 24 months (Avoid repeated freeze / thaw cycles.)

Background

Troponin I (TnI) is the inhibitory subunit of troponin, the structural protein involved in the regulation of striated muscle contraction. Cardiac Troponin I (cTnI) is produced by cardiac muscle. cTnI has been considered as one of the most specific and sensitive markers of myocardial damage like acute myocardial infarction (AMI) for decades. Detection of cTnI in serum is widely accepted as a diagnostic tool in acute coronary syndromes.

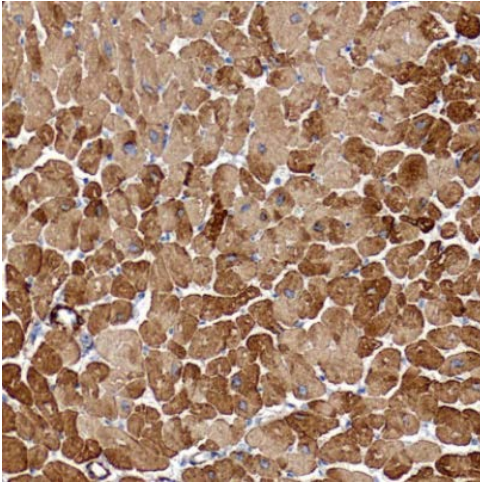
Immunogen information

Immunogen:	troponin I type 3 (cardiac)
Synonyms:	Cardiac troponin I, cTnI, RCM1, TNNC1, TNNI3, troponin I type 3 (cardiac), Troponin I, cardiac muscle
Calculated MW:	24-26 kDa
Uniprot ID :	P19429

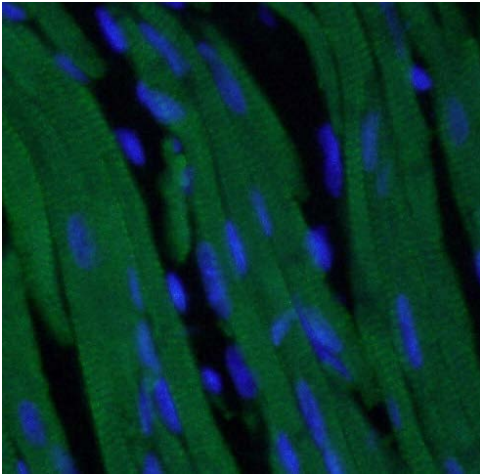
Application

Specificity:	Human, Mouse, Rat; other species are not tested. Please decide the specificity by homology
Tested Application:	ELISA, WB, IHC, IF
Recommended dilution:	WB : 1:5000-1:50000 IHC : 1:50-1:500 IF : 1:50-1:500

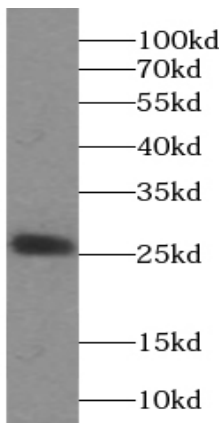
Image:



Immunohistochemistry of paraffin-embedded human heart tissue slide using FNab09781 (Cardiac Troponin I Antibody) at dilution of 1:600



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using FNab09781 (TNNI3 Antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



Rat heart tissue were subjected to SDS PAGE followed by western blot with FNab09781 (Cardiac Troponin I antibody) at dilution of 1:10000