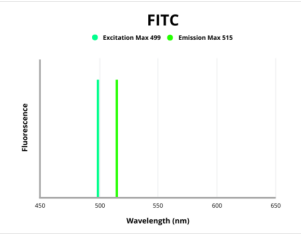
Troponin T, Cardiac Muscle (TNNT2) Antibody (FITC)

Catalogue No.:abx274595



Fluorescence emission spectra of FITC.

Troponin T, Cardiac Muscle (TNNT2) Antibody (FITC) is a Rabbit Polyclonal antibody conjugated to FITC against Troponin T, Cardiac Muscle (TNNT2). The protein encoded by this gene is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.

Target:	Troponin T, Cardiac Muscle (TNNT2)
Research Area:	Cardiovascular Biology
Clonality:	Polyclonal
Reactivity:	Human
Tested Applications:	WB, IHC, IF/ICC
Host:	Rabbit
Recommended dilutions:	WB: 0.5-2 µg/ml, IHC: 5-20 µg/ml, IF/ICC: 5-20 µg/ml. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	FITC
Excitation/Emission:	499/515
Laser Line:	488
Isotype:	IgG
Form:	Liquid
Purification:	Purified by antigen-specific affinity chromatography.

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Storage:	Aliquot and store at 4°C. Avoid exposure to light. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P45379 (UniProt, ExPASy)
Gene Symbol:	TNNT2
GeneID:	7139
OMIM:	115195
NCBI Accession:	NP_001001432.1, NM_001001432.2
HGNC:	11949
Ensembl:	ENSG00000118194
String:	9606.ENSP00000236918
Buffer:	0.01 M PBS, pH 7.4, containing 0.05% Proclin-300, 50% glycerol.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

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