

Datasheet for ABIN112502

anti-Cardiac Troponin T2 antibody



[Go to Product page](#)

Overview

Quantity:	0.2 mg
Target:	Cardiac Troponin T2 (cTnT)
Reactivity:	Human, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Cardiac Troponin T2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Troponin T from Human heart.
Clone:	7G7
Isotype:	IgG1
Specificity:	This antibody is specific for Cardiac Troponin T and does not react with the Skeletal form. The epitope has been mapped to a region between amino acids 60-71 of the native protein.
No Cross-Reactivity:	Fish, Rat (Rattus), Goat, Dog (Canine), Pig (Porcine), Mouse (Murine), Cat (Feline), Rabbit
Cross-Reactivity (Details):	Species reactivity (tested): Human, Bovine.
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	Cardiac Troponin T2 (cTnT)
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Target Details

Alternative Name:	Cardiac Troponin T (cTnT Products)
Background:	Cardiac Troponin T, a 36 kDa protein, 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 within the protein have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for the gene undergo alternative splicing that results in many tissue specific isoforms.Synonyms: TNNT2, TnTc, cTnT
Gene ID:	7139
NCBI Accession:	NP_000355
UniProt:	P45379

Application Details

Application Notes:	ELISA. Western Blot. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	PBS containing 0.09 % Sodium Azide as preservative
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.