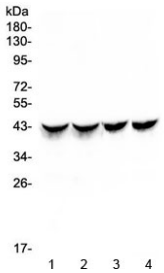
Cardiac Troponin T Antibody / CTnT / TNNT2 (RQ4616)

Catalog No.	Formulation	Size
RQ4616	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P45379
Applications	Western Blot : 0.5-1ug/ml Direct ELISA : 0.1-0.5ug/ml



Western blot testing of multiple lots of rat heart lysate (1 & 2) and mouse heart lysate (3 & 4) with Cardiac Troponin T antibody at 0.5ug/ml. Expected molecular weight: 36-42 kDa.

Description

Cardiac muscle troponin T (cTnT), is a protein which in humans is encoded by the TNNT2 gene. It is mapped to 1q32.1. 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.

Application Notes

Optimal dilution of the Cardiac Troponin T antibody should be determined by the researcher.

Immunogen

Amino acids K88-K298 from the human protein were used as the immunogen for the Cardiac Troponin T antibody.

Storage

After reconstitution, the Cardiac Troponin T antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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