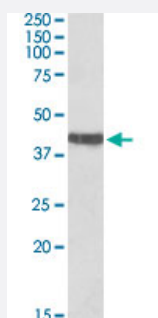


TNNT2 polyclonal antibody

Catalog # PAB27528 Size 100 ug

Applications



Western Blot (Tissue lysate)

TNNT2 polyclonal antibody (Cat # PAB27528) (0.03ug/ml) staining of rat heart lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Specification

Product Description Goat polyclonal antibody raised against synthetic peptide of TNNT2.

Immunogen A synthetic peptide corresponding to C-terminus of human TNNT2.

Sequence RNRINDNQKVSKT

Host Goat

Theoretical MW (kDa) 40

Reactivity Cat, Chicken, Dog, Human, Mouse, Pig, Rat

Purification Antigen affinity purification

Concentration 0.5 mg/mL

Recommend Usage
ELISA (1:128000)
Western Blot (0.03-0.1ug/ml)
The optimal working dilution should be determined by the end user.

Storage Buffer In Tris saline, pH 7.3 (0.02% sodium azide, 0.5% BSA)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

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Gene Info — TNNT2

Entrez GeneID[7139](#)**Protein Accession#**[NP_000355.2;NP_001001430.1;NP_001001431.1;NP_001001432.1](#)**Gene Name**

TNNT2

Gene Alias

CMH2, CMPD2, MGC3889, RCM3, TnTC, cTnT

Gene Description

troponin T type 2 (cardiac)

Omim ID[115195 191045 601494](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 of 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. [provided by RefSeq]

Other Designations

OTTHUMP00000033864|OTTHUMP00000033867|cardiomyopathy, dilated 1D (autosomal dominant)|cardiomyopathy, hypertrophic 2|troponin T type 2, cardiac|troponin T, cardiac muscle|troponin T2, cardiac

Pathway

- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Cardiomegaly](#)
- [Cardiomyopathies](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertrophy](#)
- [Lipid Metabolism](#)
- [Mitochondrial Myopathies](#)
- [Tachycardia](#)