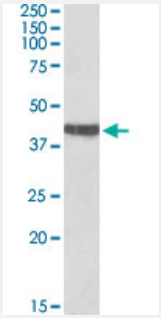
TNNT2 polyclonal antibody

Catalog # PAB27528 Size 100 ug

Applications



Western Blot (Tissue lysate)

TNNT2 polycolnal 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)

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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 shoul d 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, whi ch 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 associat ed with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts f or this gene undergo alternative splicing that results in many tissue-specific isoforms, however, th e full-length nature of some of these variants has not yet been determined. [provided by RefSeq
Other Designations	OTTHUMP00000033864|OTTHUMP00000033867|cardiomyopathy, dilated 1D (autosomal domi nant)|cardiomyopathy, hypertrophic 2|troponin T type 2, cardiac|troponin T, cardiac muscle|troponi n T2, cardiac

Pathway

- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)

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Disease

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

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