TNNI3 polyclonal antibody

Catalog # PAB12743 Size 100 ug

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TNNI3.
Immunogen	A synthetic peptide corresponding to internal domain of human TNNI3.
Host	Rabbit
Theoretical MW (kDa)	21
Reactivity	Cat, Dog, Human, Mouse, Rabbit, Rat
Specificity	This antibody recognizes 21 KDa of TNNI3 by Western blot.
Form	Liquid
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (0.1-1 ug/mL) ELISA (0.01-0.1 ug/mL) Immunoprecipitation (2-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In TBS, pH 7.2 (BSA, 10% Proclin300)
Storage Instruction	Store at 4°C. For long term storage store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot
- Immunohistochemistry
- Immunoprecipitation

- Enzyme-linked Immunoabsorbent Assay

Gene Info — TNNI3

Entrez GeneID	7137
Gene Name	TNNI3
Gene Alias	CMD2A, CMH7, MGC116817, RCM1, TNNC1, cTnI
Gene Description	troponin I type 3 (cardiac)
Omim ID	115210 191044
Gene Ontology	Hyperlink
Gene Summary	Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form th e troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking ac tin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contai ns three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encod es the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in thi s gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiom yopathy (RCM). [provided by RefSeq
Other Designations	familial hypertrophic cardiomyopathy 7|troponin I, cardiac

Pathway

- Cardiac muscle contraction
- Hypertrophic cardiomyopathy (HCM)

Disease

- Alzheimer disease
- Cardiomegaly
- Cardiomyopathy
- Cardiovascular Diseases
- Death

- Diabetes Complications
- Genetic Diseases
- Genetic Predisposition to Disease
- Hypertrophy
- Lipid Metabolism
- Metabolic Syndrome X
- Mitochondrial Myopathies
- Neoplasms
- Osteoporosis
- Tachycardia