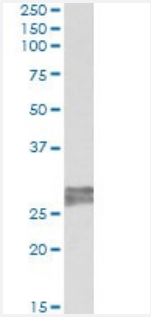
TNNI3 polyclonal antibody

Catalog # PAB27620 Size 100 ug

Applications



Western Blot (Tissue lysate)

TNNI3 polycolnal antibody (Cat # PAB27620) (0.2ug/ml) staining of human heart lysate (35ug protein in RIPA buffer). Primary incubation was 1hour. Detected by chemiluminescence.

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of TNNI3.
Immunogen	A synthetic peptide corresponding to amino acids 117-127 of human TNNI3.
Sequence	KVTKNITEIAD
Host	Goat
Theoretical MW (kDa)	27, 28
Reactivity	Chicken, Dog, Human, Mouse, Pig, Rat
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Recommend Usage	ELISA (1:128000) Western Blot (0.2-0.5ug/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 shoul d be handled by trained staff only.

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Gene Info — TNNI3

Entrez GeneID	7137
Protein Accession#	NP_000354.4
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