TNNI3 rabbit monoclonal antibody

Catalog # H00007137-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TNNI3 peptide using ARM Technology.
Immunogen	A synthetic peptide of human TNNI3 is used for rabbit immunization. Customer or Abnova will decide on the preferred peptide sequence.
Host	Rabbit
Library Construction	Non-fusion antibody library from rabbit spleen (ARM Technology).
Expression	Overexpression vector and transfection into 293H cell line.
Reactivity	Human
Purification	Protein A
Isotype	IgG
Quality Control Testing	Antibody reactive against human TNNI3 peptide by ELISA and mammalian transfected lysate by We stern Blot.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Deliverable	Up to three rabbit IgG clones of 100 ug each will be delivered to customer.
Note	1. Customer may provide cell or tissue lysate for antibody screening. 2. Rabbit monoclonal antibody generated by ARM technology is amenable to antibody engineering in cluding $F(ab)_2$, IgG, scFv and different Fc and non-Fc conjugates per customer request.

Applications

- Western Blot (Transfected lysate)

  Protocol Download

- ELISA

Gene Info — TNNI3

Entrez GeneID	7137
GeneBank Accession#	TNNI3
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