TNNT1 rabbit monoclonal antibody

Catalog # H00007138-K Size 100 ug x up to 3

Specification

Product Description	Rabbit monoclonal antibody raised against a human TNNT1 peptide using ARM Technology.
Immunogen	A synthetic peptide of human TNNT1 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 TNNT1 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 — TNNT1

Entrez GeneID	7138
GeneBank Accession#	TNNT1
Gene Name	TNNT1
Gene Alias	ANM, FLJ98147, MGC104241, STNT, TNT, TNTS
Gene Description	troponin T type 1 (skeletal, slow)
Omim ID	191041 605355
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a protein that is a subunit of troponin, which is a regulatory complex located o n the thin filament of the sarcomere. This complex regulates striated muscle contraction in respon se to fluctuations in intracellular calcium concentration. This complex is composed of three subunit s: troponin C, which binds calcium, troponin T, which binds tropomyosin, and troponin I, which is a n inhibitory subunit. This protein is the slow skeletal troponin T subunit. Mutations in this gene caus e nemaline myopathy type 5, also known as Amish nemaline myopathy, a neuromuscular disorder characterized by muscle weakness and rod-shaped, or nemaline, inclusions in skeletal muscle fib ers which affects infants, resulting in death due to respiratory insufficiency, usually in the second y ear. Multiple transcript variants encoding different isoforms have been found for this gene. [provid ed by RefSeq
Other Designations	slow skeletal muscle troponin T|troponin T1, skeletal, slow|troponin-T1, skeletal, slow

Disease

- Cardiovascular Diseases
- Diabetes Mellitus
- Edema