TCAP rabbit monoclonal antibody

Catalog # H00008557-K Size 100 ug x up to 3

Specification

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

Entrez GeneID	8557
GeneBank Accession#	TCAP
Gene Name	TCAP
Gene Alias	CMD1N, LGMD2G, T-cap, TELE, telethonin
Gene Description	titin-cap (telethonin)
Omim ID	601954 604488 607487
Gene Ontology	Hyperlink
Gene Summary	Sarcomere assembly is regulated by the muscle protein titin. Titin is a giant elastic protein with ki nase activity that extends half the length of a sarcomere. It serves as a scaffold to which myofibrils and other muscle related proteins are attached. This gene encodes a protein found in striated and cardiac muscle that binds to the titin Z1-Z2 domains and is a substrate of titin kinase, interactions thought to be critical to sarcomere assembly. Mutations in this gene are associated with limb-girdl e muscular dystrophy type 2G. [provided by RefSeq
Other Designations	19 kDa sarcomeric protein|limb girdle muscular dystrophy 2G (autosomal recessive)|telethonin

Disease

- Breast cancer
- Breast Neoplasms
- Cardiomyopathy
- Genetic Predisposition to Disease
- Hypercholesterolemia