

RecomAb™

TNNI2 recombinant monoclonal antibody, clone R03-7U6

Catalog # RAB05223 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human Troponin I.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Troponin I
Theoretical MW (kDa)	Calculated MW: 21 kD
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	Immunoprecipitation (1/20) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150mM NaCl, pH 7.4 (50% glycerol and 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunoprecipitation

Gene Info — TNNI2

Entrez GeneID [7136](#)

Gene Name TNNI2

Gene Alias AMCD2B, DA2B, FSSV

Gene Description troponin I type 2 (skeletal, fast)

Omim ID [191043 601680](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. Mouse studies show that this component is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in this gene cause myopathy and distal arthrogryposis type 2B. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000014141|OTTHUMP00000014142|troponin I fast twitch 2|troponin I, fast-twitch skeletal muscle isoform|troponin I, skeletal, fast

Disease

- [Cardiovascular Diseases](#)
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- [Edema](#)