

RecomAb™

## TNNI2 recombinant monoclonal antibody, clone R03-7U6

Catalog # RAB05223      Size 100 uL

### Specification

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