

# TNNI3 monoclonal antibody, clone 20C6

Catalog # MAB0499

Size 200 ug

## Specification

|                            |                                                                                                                        |
|----------------------------|------------------------------------------------------------------------------------------------------------------------|
| <b>Product Description</b> | Mouse monoclonal antibody raised against native TNNI3.                                                                 |
| <b>Immunogen</b>           | Native purified human TNNI3.                                                                                           |
| <b>Host</b>                | Mouse                                                                                                                  |
| <b>Reactivity</b>          | Human                                                                                                                  |
| <b>Form</b>                | Liquid                                                                                                                 |
| <b>Isotype</b>             | IgG                                                                                                                    |
| <b>Recommend Usage</b>     | The optimal working dilution should be determined by the end user.                                                     |
| <b>Storage Buffer</b>      | In PBS, pH 7.4 (0.09% sodium azide)                                                                                    |
| <b>Storage Instruction</b> | Store at 4°C.                                                                                                          |
| <b>Note</b>                | This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |

## Applications

- Enzyme-linked Immunoabsorbent Assay

## Gene Info — TNNI3

|                      |                                           |
|----------------------|-------------------------------------------|
| <b>Entrez GeneID</b> | <a href="#">7137</a>                      |
| <b>Gene Name</b>     | TNNI3                                     |
| <b>Gene Alias</b>    | CMD2A, CMH7, MGC116817, RCM1, TNNC1, cTnI |

|                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Description   | troponin I type 3 (cardiac)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Omim ID            | <a href="#">115210 191044</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Ontology      | <a href="#">Hyperlink</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Gene Summary       | Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. This gene encodes the TnI-cardiac protein and is exclusively expressed in cardiac muscle tissues. Mutations in this gene cause familial hypertrophic cardiomyopathy type 7 (CMH7) and familial restrictive cardiomyopathy (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](#)