

DNAxPAb

Hard-to-Find
Antibody

TNNI3 DNAxPab

Catalog # H00007137-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human TNNI3 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKKSKISASRKLQLKTLTLLQIAKQELEREAE ERRGEKGRALSTRCQPLELAGLGFAELQDLCRQLHARVDKVDEERYDIEAKVTKNITEIADLTQKIF DLRGKFKRPTLRVRISADAMMQALLGARAKESLDLRAHLKQVKKEDTEKENREVGDWRKNIDA LSGMEGRKKKFES
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

Gene Info — TNNI3

Entrez GeneID [7137](#)

GeneBank Accession# [BC096165.1](#)

Protein Accession# [AAH96165.1](#)

Gene Name TNNI3

Gene Alias CMD2A, CMH7, MGC116817, RCM1, TNNC1, cTnI

Gene Description troponin I type 3 (cardiac)

Omim ID [115210 191044](#)

Gene Ontology [Hyperlink](#)

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](#)