

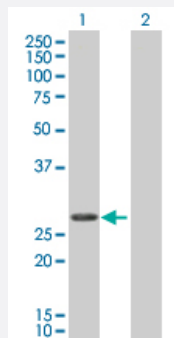
MaxPab®

TNNI3 MaxPab mouse polyclonal antibody (B01P)

Catalog # H00007137-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of TNNI3 expression in transfected 293T cell line ([H00007137-T01](#)) by TNNI3 MaxPab polyclonal antibody.

Lane 1: TNNI3 transfected lysate(23.1 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human TNNI3 protein.
Immunogen	TNNI3 (AAH96165, 1 a.a. ~ 210 a.a) full-length human protein.
Sequence	MADGSSDAAREPRPAPAPIRRRSSNYRAYATEPHAKKKSKISASRKLQLKTLTLLQIAKQELEREAE ERRGEKGRALSTRCQPLELAGLGFAELQDLCRQLHARVDKVDEERYDIEAKVTKNITEADLTQKIF DLRGKFKRPTLRRVRISADAMMQALLGARAKESLDLRAHLKQVKKEDTEKENREVGDWKRNIDA LSGMEGRKKKFES
Host	Mouse
Reactivity	Human
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.

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[Protocol Download](#)

Gene Info — TNNI3

Entrez GeneID [7137](#)

GeneBank Accession# [BC096165](#)

Protein Accession# [AAH96165](#)

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](#)