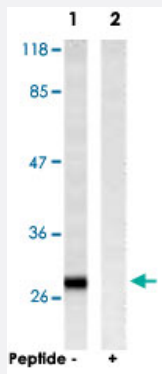


TNNI3 polyclonal antibody

Catalog # PAB17292 Size 100 ug

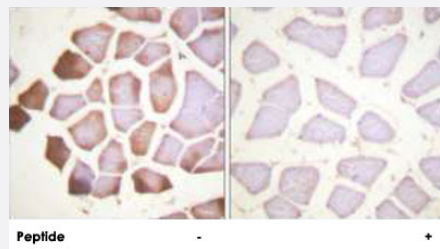
Applications



Western Blot (Tissue lysate)

Western blot analysis of extracts from mouse heart cells, using TNNI3 polyclonal antibody (Cat # PAB17292).

Peptide "+" means "with peptide blocking".



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue using TNNI3 polyclonal antibody (Cat # PAB17292).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of TNNI3.
Immunogen	A synthetic peptide corresponding to residues surrounding serine 363 of human TNNI3.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total TNNI3 protein.
Form	Liquid

Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	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

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Immunohistochemistry analysis of paraffin-embedded human skeletal muscle tissue using TNNI3 polyclonal antibody (Cat # PAB17292).
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Gene Info — TNNI3

Entrez GeneID	7137
Protein Accession#	P19429
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

Publication Reference

- [Circulating cardiac troponin I in severe congestive heart failure.](#)

Missov E, Calzolari C, Pau B.

Circulation 1997 Nov; 96(9):2953.

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](#)