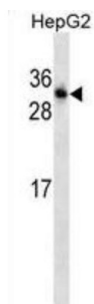


## Troponin I, Cardiac Muscle (TNNI3) Antibody

Catalogue No.: abx025354



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). This antibody is supplied as crude ascites.

<b>Target:</b>	Troponin I, Cardiac Muscle (TNINI3)
<b>Research Area:</b>	Cardiovascular Biology
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	WB: 1/500 - 1/8000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	KLH-conjugated synthetic peptide between 52-79 amino acids from human TNINI3.
<b>Isotype:</b>	IgM
<b>Form:</b>	Liquid
<b>Purification:</b>	Unpurified crude ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.

# Datasheet

Version: 4.0.0

Revision date: 13 Sep 2025



**UniProt Primary AC:** P19429 ([UniProt](#), [ExPASy](#))

**KEGG:** hsa:7137

**String:** [9606.ENSP00000341838](#)

**Molecular Weight:** Calculated MW: 24 kDa

**Buffer:** Ascites containing 0.09% sodium azide.

**Specificity:** Predicted to react with Cow and Horse TNNI3.

**Note:** THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.

For Reference Only