

Product datasheet for **AP00829PU-N**

Cardiac Troponin I (TNNI3) (27-39) Goat Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	Immunoassay: Use AP00829PU-N as a Detection Antibody in combination with AM05137PU-N (Clone P420) as a Capture Antibody in a Sandwich Immunoassay. Immunohistochemistry.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly purified Human Cardiac Troponin I
Specificity:	This antibody is specific for Human Cardiac Troponin I. Recognizes epitopes located in the 27-39 region of Troponin I. Cross reactivity with Human skeletal Troponin I is 0.02% by ELISA.
Formulation:	10mM Sodium Phosphate, 0.85% Sodium Chloride, pH 7.2 State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Affinity purified against the 27-39 region of Troponin I-Cardiac
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin I3, cardiac type
Database Link:	Entrez Gene 7137 Human P19429



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Background: Troponin I is part of a heteromeric complex playing an important role in the regulation of skeletal and cardiac muscle contraction. It consists of three subunits, troponin I (TnI), troponin T (TnT) and troponin C (TnC). Each subunit is responsible for part of troponin complex function. TnI inhibits ATPase activity of actomyosin and TnT and TnI are present in cardiac muscles in different forms than in skeletal muscles. Only one tissue specific isoform of TnI is described for cardiac muscle tissue (cTnI) and this is expressed only in myocardium.

Synonyms: TNNI3, TNNC1