

AP00830PU-N**Polyclonal Antibody to Cardiac Troponin I (69-86) - Aff - Purified****Alternate names:**

TNNC1, TNNI3

Quantity:

1 mg

Concentration:

7.19 mg/ml (OD280nm, E1% = 13)

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 acto myosin 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.

Uniprot ID:[P19429](#)**NCBI:**[NP_000354.4](#)**GeneID:**[7137](#)**Host:**

Goat

Immunogen:

Highly purified Human Cardiac Troponin I

Format:**State:** Liquid purified Ig fraction (>95% pure)**Purification:** Affinity purified with Solid Phase Human Cardiac Troponin I peptide 4**Buffer System:** 10mM Sodium Phosphate, 0.85% (w/v) Sodium Chloride, pH 7.2**Preservatives:** 0.05% Sodium Azide**Applications:****Immunoassay:** Use AP00830PU-N as a Detection Antibody in combination with AM05137PU-N as a Capture antibody in a Sandwich Immunoassay.**Immunohistochemistry.**

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

This antibody is specific for Human Cardiac Troponin I.

Recognizes epitopes located in the 69-86 region of Troponin I.

Cross reactivity with Human skeletal Troponin I is < 1% by ELISA.

Storage:

Store undiluted at 2-8°C.

DO NOT FREEZE!

Shelf life: one year from despatch.