

Rabbit anti-Human, mouse Troponin T, cardiac muscle Polyclonal Antibody | anti-TNNT2 antibody

Rabbit anti-human Troponin T, cardiac muscle polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229900	Rabbit	Human, mouse	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

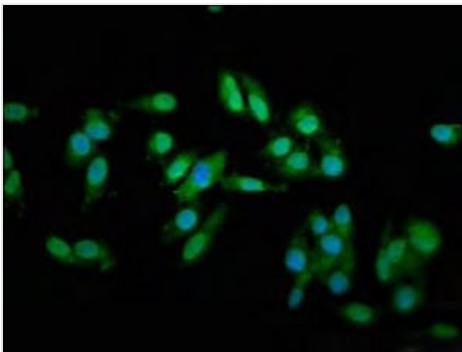
PRODUCT SYNONYMS

Troponin T; cardiac muscle; Polyclonal Antibody; Rabbit anti-human Troponin T; cardiac muscle polyclonal Antibody; cardiac muscle protein; TnTc; Cardiac muscle troponin T; cTnT; TNNT2; anti-TNNT2 antibody

PRODUCT SPECIFICATIONS

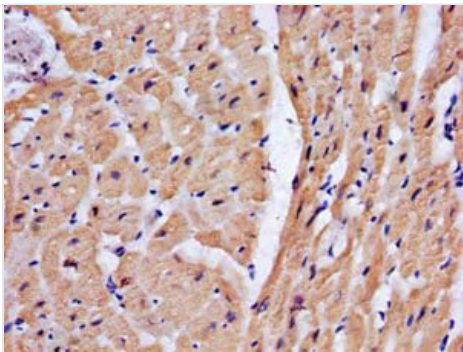
Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	295
Applicable Applications for anti-TNNT2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant Human TroponinT, cardiac muscle protein (138-298AA)
Relevance	Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
Conjugation	Non-conjugated
Storage Buffer	0.1 mol/ L NaCl, 15 mmol/ L Na ₃ PO ₄ , pH 7.2
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-8121 / sc-52289
Preparation and Storage	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

IMAGES



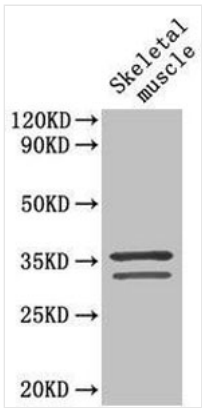
IF (Immunofluorescence)

Immunofluorescence staining of HeLa cells with AAA229900 at 1:66, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4°C. The secondary antibody was AlexaFluor488-conjugated Affini Pure Goat Anti-Rabbit IgG (H+L).



IHC (Immunohistochemistry)

IHC image of AAA229900 diluted at 1:200 and staining in paraffin-embedded human heart tissue performed on a Leica Bond TM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum for 30 min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



WB (Western Blot)

Western Blot Positive WB detected in: Mouse skeletal muscle All lanes: TNNT2 antibody at 4 µg/ml Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 36, 35, 32, 31 kDa Observed band size: 36, 32 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TNNT2 antibody	Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity. This protein is the tropomyosin-binding subunit of the troponin complex, which is located on the thin filament of striated muscles and regulates muscle contraction in response to alterations in intracellular calcium ion concentration. Mutations in this gene have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. Transcripts for this gene undergo alternative splicing that results in many tissue-specific isoforms, however, the full-length nature of some of these variants has not yet been determined.
Product Categories/Family for anti-TNNT2 antibody	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255877
NCBI GeneID	7139
NCBI Accession #	NP_000355.2
NCBI GenBank Nucleotide #	NM_000364.3

UniProt Accession #	P45379; O60214; Q99596; Q99597; Q9BUF6; Q9UM96; A2TDB9; A8K3K6
NCBI Official Full Name	troponin T, cardiac muscle isoform 1
NCBI Official Synonym Full Names	troponin T2, cardiac type
NCBI Official Symbol	TNNT2
NCBI Official Synonym Symbols	CMH2; RCM3; TnTC; cTnT; CMD1D; CMPD2; LVNC6
NCBI Protein Information	troponin T, cardiac muscle
UniProt Protein Name	Troponin T, cardiac muscle
UniProt Gene Name	TNNT2
UniProt Synonym Gene Names	TnTc; cTnT
UniProt Entry Name	TNNT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/troponin-t-cardiac-muscle-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229900>