

Rabbit anti-Human Troponin C Polyclonal Antibody | anti-TNNC1 antibody

Anti-Troponin C Antibody, Rabbit Polyclonal

CATALOG # AAA255855	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry
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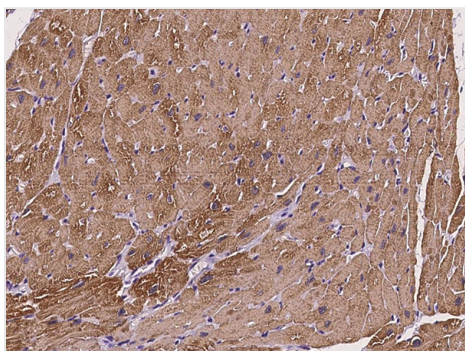
PRODUCT SYNONYMS

Troponin C; Polyclonal Antibody; Anti-Troponin C Antibody; Rabbit Polyclonal; Troponin C/TNNC1 Antibody; Rabbit PAb; Antigen Affinity Purified; troponin C type 1 (slow); Anti-CMD1Z Antibody; Anti-CMH13 Antibody; Anti-TN-C Antibody; Anti-TNC Antibody; Anti-TNNC Antibody; anti-TNNC1 antibody

PRODUCT SPECIFICATIONS

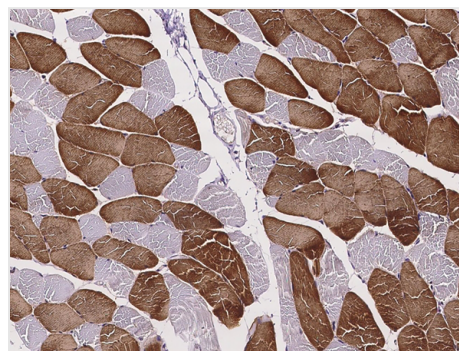
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human Troponin C/TNNC1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-TNNC1 antibody	IHC (Immunohistochemistry)
Immunogen	E Coli-derived Human Troponin C/TNNC1 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human Troponin C/TNNC1 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of TNNC1 in cynomolgus heart with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of TNNC1 in human skeletal muscle with rabbit polyclonal antibody at 1:500 dilution, formalin-fixed paraffin embedded sections.

ADDITIONAL INFORMATION

Related Product Information for anti-TNNC1 antibody	Troponin I, also known as TNNC1, is part of the troponin complex. This complex contains 3 subunits: troponin I (TnI), troponin T (TnT) and troponin C (TnC). Troponin I is the inhibitory subunit, blocking actin-myosin interactions and thereby mediating striated muscle relaxation. It binds to actin in thin myofilaments to hold the actin-tropomyosin complex in place. Because of it myosin cannot bind actin in relaxed muscle. When calcium binds to the Troponin C it causes conformational changes which lead to dislocation of troponin I and finally tropomyosin leaves the binding site for myosin on actin leading to contraction of muscle.
References	Kalaji FR. et al., 2012, Saudi J Kidney Dis Transpl. 23 (5): 939-45.Wijnker PJ. et al., 2013, Am J Physiol Heart Circ Physiol. 304 (2): H260-8.Solaro RJ. et al., 2013, Circ Res. 112 (2): 355-66.

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-c-antibody-immunohistochemistry-elisa/255855>