

Rabbit TNNT2 Polyclonal Antibody | anti-TNNT2 antibody

TNNT2 antibody - N-terminal region

CATALOG # AAA198970	HOST Rabbit	REACTIVITY Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

TNNT2; Polyclonal Antibody; TNNT2 antibody - N-terminal region; anti-TNNT2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat, Sheep, Zebrafish
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: ES KPKPRSFMPN LVPPKIPDGE RVDFDDIHRK RMEKDLNELQ ALIEAHFE
Sequence Length	295
Applicable Applications for anti-TNNT2 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%; Zebrafish: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human TNNT2
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-TNNT2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:62500
Positive Control: Human Muscle



WB (Western Blot)

Host: Mouse
Target Name: TNNT2
Sample Tissue: Mouse Skeletal Muscle
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TNNT2 antibody	This is a rabbit polyclonal antibody against TNNT2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TNNT2 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 the gene encoding TNNT2 have been associated with familial hypertrophic cardiomyopathy as well as with dilated cardiomyopathy. The protein encoded by this gene 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	Polyclonal; Disease Related; DNA/RNA/Protein Interactions; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	48255877
NCBI GeneID	7139
NCBI Accession #	NP_000355
NCBI GenBank Nucleotide #	NM_000364
UniProt Accession #	A2TDB9; P45379
Molecular Weight	35kDa
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

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/tmnt2-antibody-western-blot-elisa/198970>