

Rabbit TNNT1 Polyclonal Antibody | anti-TNNT1 antibody

TNNT1 antibody - middle region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA199053	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, Zebrafish	Western Blot

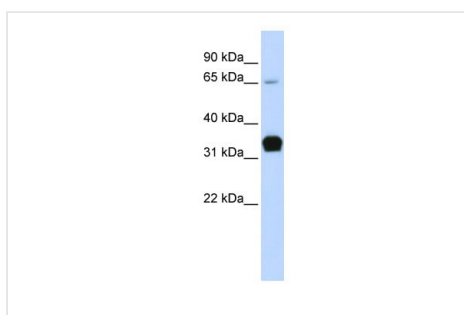
PRODUCT SYNONYMS

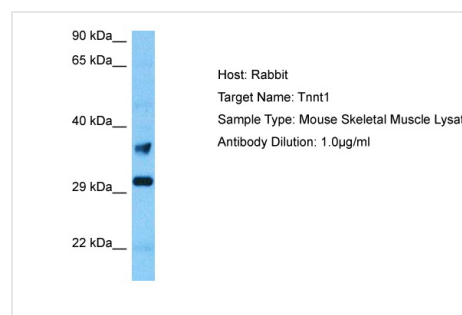
TNNT1; Polyclonal Antibody; TNNT1 antibody - middle region; anti-TNNT1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rat, 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: WI HQLESEKFDL MAKLKQKYE INVLYNRISH AQKFRKGAGK GRVGGRWK
Sequence Length	278
Applicable Applications for anti-TNNT1 antibody	WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rat: 100%; Zebrafish: 85%
Immunogen	The immunogen is a synthetic peptide directed towards the middle region of human TNNT1
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-TNNT1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: Human Muscle

WB (Western Blot)

Host: Mouse
Target Name: TNNT1
Sample Tissue: Mouse Skeletal Muscle
Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-TNNT1 antibody	This is a rabbit polyclonal antibody against TNNT1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: TNNT1 is a protein that is a subunit of troponin, which is a regulatory complex located on the thin filament of the sarcomere. This complex regulates striated muscle contraction in response to fluctuations in intracellular calcium concentration. This complex is composed of three subunits: troponin C, which binds calcium, troponin T, which binds tropomyosin, and troponin I, which is an inhibitory subunit. This protein is the slow skeletal troponin T subunit. Mutations in this gene cause nemaline myopathy type 5, also known as Amish nemaline myopathy, a neuromuscular disorder characterized by muscle weakness and rod-shaped, or nemaline, inclusions in skeletal muscle fibers which affects infants, resulting in death due to respiratory insufficiency, usually in the second year. This gene encodes a protein that is a subunit of troponin, which is a regulatory complex located on the thin filament of the sarcomere. This complex regulates striated muscle contraction in response to fluctuations in intracellular calcium concentration. This complex is composed of three subunits: troponin C, which binds calcium, troponin T, which binds tropomyosin, and troponin I, which is an inhibitory subunit. This protein is the slow skeletal troponin T subunit. Mutations in this gene cause nemaline myopathy type 5, also known as Amish nemaline myopathy, a neuromuscular disorder characterized by muscle weakness and rod-shaped, or nemaline, inclusions in skeletal muscle fibers which affects infants, resulting in death due to respiratory insufficiency, usually in the second year. Multiple transcript variants encoding different isoforms have been found for this gene.
Product Categories/Family for anti-TNNT1 antibody	Polyclonal; Disease Related; Tissue Specific & Cell Marker

NCBI AND UNIPROT INFORMATION

NCBI GI #	187173288
NCBI GeneID	7138
NCBI Accession #	NP_003274
NCBI GenBank Nucleotide #	NM_003283
UniProt Accession #	P13805
Molecular Weight	33kDa
NCBI Official Full Name	troponin T, slow skeletal muscle isoform a
NCBI Official Synonym Full Names	troponin T1, slow skeletal type
NCBI Official Symbol	TNNT1
NCBI Official Synonym Symbols	ANM; TNT; NEM5; STNT; TNTS
NCBI Protein Information	troponin T, slow skeletal muscle
UniProt Protein Name	Troponin T, slow skeletal muscle
UniProt Gene Name	TNNT1
UniProt Synonym Gene Names	TNT; TnTs; sTnT
UniProt Entry Name	TNNT1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/tnnt1-antibody-western-blot-elisa/199053>