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## Datasheet for ABIN7468979 **anti-TNNT1 antibody**

### Overview

Quantity:	100 µL
Target:	TNNT1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

### Product Details

Immunogen:	Full length human Troponin T1 (slow) skeletal muscle Recombinant protein.
Isotype:	IgG
Cross-Reactivity:	Human, Pig
Purification:	Purified by antigen-affinity chromatography.

### Target Details

Target:	TNNT1
Alternative Name:	troponin T1, slow skeletal type ( <a href="#">TNNT1 Products</a> )
Background:	<p>Synonyms: troponin T1, slow skeletal type , ANM , NEM5 , STNT , TNT , TNTS</p> <p>Background: 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</p>

## Target Details

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. [provided by RefSeq]

Molecular Weight: 33 kDa

Gene ID: 7138

UniProt: [P13805](#)

## Application Details

Application Notes: WB: 1:500-1:3000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.

Comment: Positive Control: H1299

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 0.89 mg/mL

Buffer: 0.1M Tris-Glycine ( pH 7), 10 % Glycerol, 0.01 % Thimerosal

Preservative: Thimerosal (Merthiolate)

Precaution of Use: This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C,-20 °C

Storage Comment: Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.