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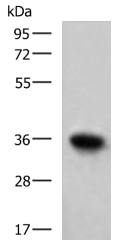
# TNNT1 Polyclonal Antibody

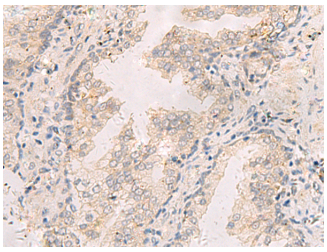
| | | | |
|---|---|---|---|
| **Catalog No.** | E-AB-53126 | **Reactivity** | H,M |
| **Storage** | Store at -20℃. Avoid freeze / thaw cycles. | **Host** | Rabbit |
| **Applications** | WB,IHC,ELISA | **Isotype** | IgG |

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

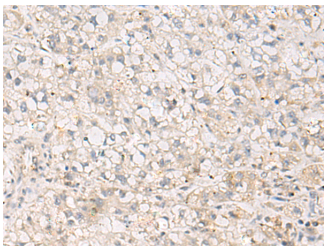
## Images




Western blot analysis of Mouse skeletal muscle tissue lysate using TNNT1 Polyclonal Antibody at dilution of 1:550



Immunohistochemistry of paraffin-embedded Human prost at e cancer tissue using TNNT1 Polyclonal Antibody at dilution of 1:35(×200)



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TNNT1 Polyclonal Antibody at dilution of 1:35(×200)

## Immunogen Information

| | |
|---|---|
| **Immunogen** | Fusion protein of human TNNT1 |
| **Gene Accession** | BC010963 |
| **Swissprot** | P13805 |
| **Synonyms** | ANM,sTnT,Tnnt1,TNNT1,TNT,TnTs,Troponin T,Troponin T slow skeletal muscle |

## Product Information

| | |
|---|---|
| **Calculated MW** | 33 kDa |
| **Observed MW** | Refer to figures |
| **Buffer** | PBS with 0.05% NaN3 and 40% Glycerol,pH7.4 |
| **Purify** | Antigen affinity purification |
| **Dilution** | WB 1:500-1:2000, IHC 1:25-1:50, ELISA 1:5000-1:10000 |

## 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 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.