TNNT1 Polyclonal Antibody

Order Information

Catalog#	BGT-ANT-59640
Size/Concentration	100μl

Description

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.

Specification

Aliases ： ANM; TNT; NEM5; STNT; TNTS

Swissprot ： P13805

WB Predicted band size ： 33 kDa

Host/Isotype ： Rabbit IgG

Antibody Type ： Primary antibody

Storage ： Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Species Reactivity ： Human, Mouse

Immunogen ： Fusion protein of human TNNT1

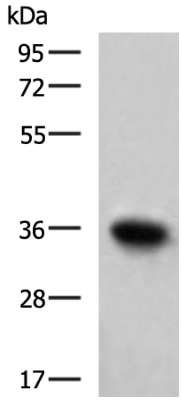
Formulation ： Purified antibody in PBS with 0.05% sodium azide and 50% glycerol.

Application

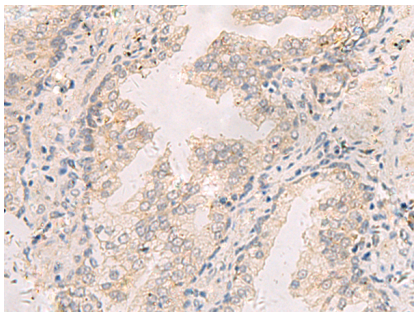
WB	1/500-1/2000
IHC	1/25-1/50
ELISA	1/5000-1/10000

For Research Only

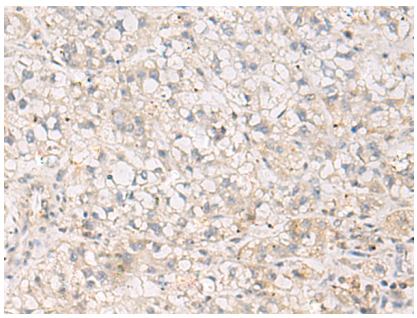
Application Key:WB - Western Blot | **IHC** - Immunohistochemistry | **ICC** - Immunocytochemistry | **FCM** - Flow Cytometry | **ELISA** - Enzyme-linked Immunosorbent Assay | **IP** - Immunoprecipitation



Gel: 8%SDS-PAGE , Lysate : 40 µg, Lane : Mouse skeletal muscle tissue lysate , Primary antibody : TNNT 1 Antibody at dilution 1/550, Secondary antibody: Goat anti rabbit IgG at 1/5000 dilution, Exposure time: 10 seconds



The image is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using TNNT1 Antibody at dilution 1/35. (Original magnification: ×200)



The image is immunohistochemistry of paraffin-embedded Human liver cancer tissue using TNNT1 Antibody at dilution 1/35. (Original magnification: ×200)

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