Elabscience®

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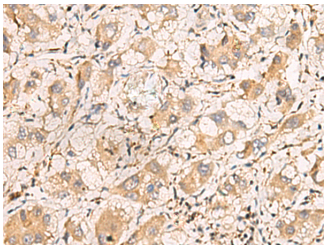
TNNT1 Polyclonal Antibody

Catalog No.	E-AB-19204	**Reactivity**	H
Storage	Store at -20℃. Avoid freeze / thaw cycles.	**Host**	Rabbit
Applications	IHC,ELISA	**Isotype**	IgG

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

Images



Immunohistochemistry of paraffin-embedded Human liver cancer tissue using TNNT1 Polyclonal Antibody at dilution of 1:75(×200)

Immunogen Information

Immunogen	Fusion protein of human TNNT1
Gene Accession	BC010963
Swissprot	P13805
Synonyms	ANM,MGC104241,NEM5,sTnT,Tnnt1,TNNT1,TNT, TnTs,Troponin T

Product Information

Buffer	PBS with 0.05% NaN3 and 40% Glycerol,pH7.4
Purify	Antigen affinity purification
Dilution	IHC 1:50-1:200, 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.