

TNNT1 Polyclonal Antibody

Catalog NumberPA5-29003

Product data sheet

Details		Species Reactivity	
Size	100 µL	Species reactivity	Human, Pig
Host/Isotope	Rabbit / IgG	Tested Applications	
Class	Polyclonal	Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000
Type	Antibody	Western Blot (WB)	1:500-1:3,000
Immunogen	Full length human Troponin T1 (slow) skeletal muscle Recombinant protein.	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Conjugate	Unconjugated		
Form	Liquid		
Concentration	0.89 mg/mL		
Purification	Antigen affinity chromatography		
Storage buffer	0.1M tris glycine, pH 7, with 10% glycerol		
Contains	0.01% thimerosal		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Product specific information

Recommended positive controls: H1299, Porcine skeletal muscle. Predicted reactivity: Mouse (90%), Rat (90%), Pig (91%), Bovine (91%). Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Background/Target Information

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.

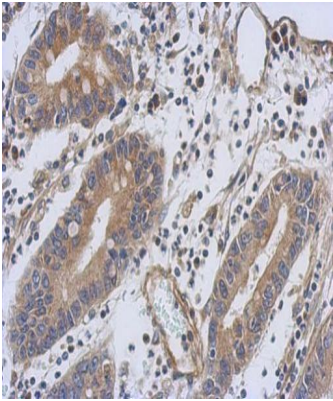
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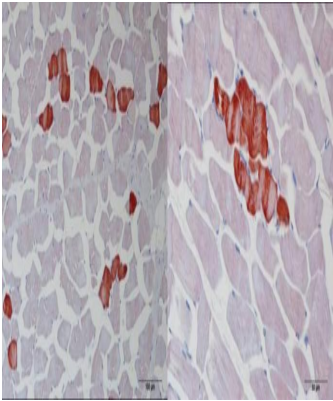
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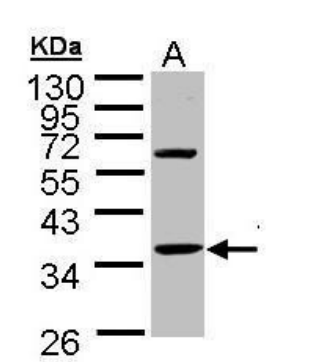
Product Images For TNNT1 Polyclonal Antibody



TNNT1 Antibody (PA5-29003) in IHC (P)
Immunohistochemical analysis of paraffin-embedded human colon carcinoma, using Troponin T1 (slow skeletal) (Product # PA5-29003) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



TNNT1 Antibody (PA5-29003) in IHC (P)
Immunohistochemical analysis of paraffin-embedded Porcine skeletal muscle, using Troponin T1 (Product # PA5-29003) antibody at 1:500 dilution. Antigen Retrieval: EDTA based buffer, pH 8.0, 15 min.



TNNT1 Antibody (PA5-29003) in WB
Western Blot using TNNT1 Polyclonal Antibody (Product # PA5-29003). Sample (30 µg of whole cell lysate). A: H1299. 10% SDS PAGE. TNNT1 Polyclonal Antibody (Product # PA5-29003) diluted at 1:1,000.

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