

Product datasheet for **TA346350**

TNNI1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	WB, IHC
Reactivity:	Human
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-TNNI1 antibody: synthetic peptide directed towards the N terminal of human TNNI1. Synthetic peptide located within the following region: MPEVERKPKITASRLLLLKSLMLAKAKECWEQEHEEREAEKVRylaERIP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	21 kDa
Gene Name:	troponin I1, slow skeletal type
Database Link:	NP_003272 Entrez Gene 7135 Human P19237
Background:	Troponin proteins associate with tropomyosin and regulate the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Each troponin-tropomyosin complex contains 1 molecule from each of the 3 troponins: T, C, and I. The troponin I (TNI) subfamily contains three genes: TNI-skeletal-fast-twitch, TNI-skeletal-slow-twitch, and TNI-cardiac. TNNI1 prevents muscle contraction by inhibiting calcium-mediated conformational changes in actin-myosin complexes.



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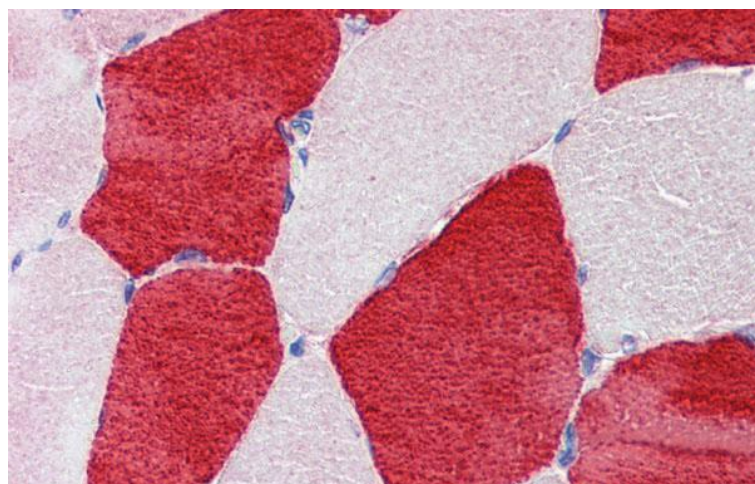
Synonyms: SSTNI; TNN1

Note: Immunogen Sequence Homology: Rat: 100%; Human: 100%; Mouse: 100%; Dog: 93%; Pig: 93%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%; Goat: 79%

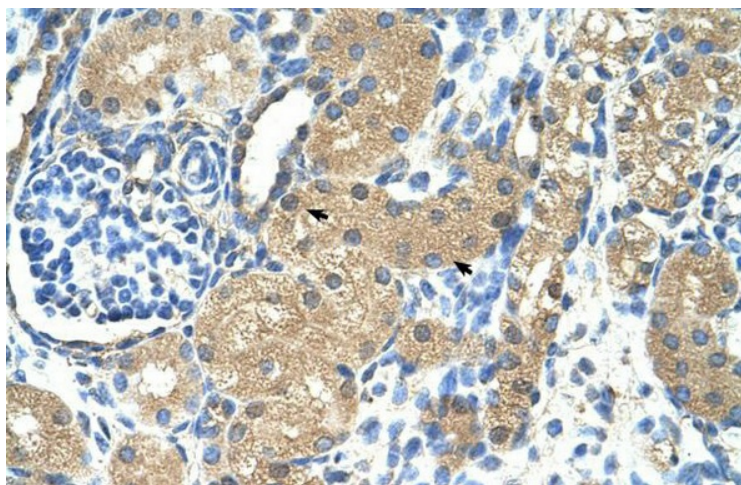
Product images:



WB Suggested Anti-TNNI1 Antibody Titration: 0.2-1 ug/ml; Positive Control: HepG2 cell lysate



Immunohistochemistry with Human Skeletal Muscle lysate tissue at an antibody concentration of 5.0 ug/ml using anti-TNNI1 antibody



Rabbit Anti-TNNI1 Antibody; Paraffin Embedded Tissue: Human Kidney; Cellular Data: Epithelial cells of renal tubule; Antibody Concentration: 4.0-8.0 ug/ml; Magnification: 400X