## TNNI1 antibody - N-terminal region (ARP42117\_P050) Data Sheet

Product Number	ARP42117 P050
Product Name	TNNI1 antibody - N-terminal region (ARP42117_P050)
Size	50ug
Gene Symbol	TNNI1
Alias Symbols	DKFZp451O223; TNN1; SSTNI
Nucleotide Accession#	NM 003281
Protein Size (# AA)	187 amino acids
Molecular Weight	21kDa
Product Format	Lyophilized powder
NCBI Gene Id	7135
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Troponin I type 1 (skeletal, slow)
Description	This is a rabbit polyclonal antibody against TNNI1. It was validated on Western Blot and immunohistochemistry by Aviva Systems Biology. At Aviva Systems Biology we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Peptide Sequence	Synthetic peptide located within the following region:  MPEVERKPKITASRKLLLKSLMLAKAKECWEQEHEEREAEKVRYLAERIP
Target Reference	Ralli,S., (2005) Am. Heart J. 150 (6), 1220-1227
Description of Target	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.
Partner Proteins	ACTA1, CCDC85B, TNNC1, TNNT1, CCDC85B, PKD2L1, TNNC1
Reconstitution and Storage	Add 50 ul of distilled water. Final anti-TNNI1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Blocking Peptide	For anti-TNNI1 antibody is Catalog # AAP42117 (Previous Catalog # AAPP24596)
Immunogen	The immunogen for anti-TNNI1 antibody: synthetic peptide directed towards the N terminal of human TNNI1
Swissprot Id	<u>P19237</u>
Protein Name	Troponin I, slow skeletal muscle
Protein Accession #	NP_003272
Purification	Affinity Purified
Species Reactivity	Human, Mouse, Rat, Pig, Dog, Horse, Bovine, Rabbit, Guinea pig, Goat
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Rat: 100%; Human: 100%; Mouse: 100%; Dog: 93%; Pig: 93%; Horse: 93%; Bovine: 93%; Rabbit: 93%; Guinea pig: 93%; Goat: 79%



