



Rabbit Anti-Troponin I fast + slow skeletal muscle antibody

SL10617R

Product Name:	Troponin I fast + slow skeletal muscle
Chinese Name:	骨骼肌快/慢肌肌钙蛋白I抗体
Alias:	AMCD2B; DA2B; DKFZp451O223; Fast twitch skeletal muscle troponin I; FSSV; fsTnI; OTTHUMP00000014141; OTTHUMP00000014142; OTTHUMP00000014143; OTTHUMP00000033877; OTTHUMP00000033909; OTTHUMP00000033910; SSTNI; TNN1; Troponin I fast twitch 2; Troponin I type 1 (skeletal, slow); Troponin I type 2 (skeletal, fast); Troponin I, fast skeletal muscle; Troponin I, fast twitch isoform; Troponin I, fast twitch skeletal muscle isoform; Troponin I, skeletal, fast; Troponin I, slow skeletal muscle; Troponin I, slow twitch isoform; TNNI1_HUMAN; TNNI2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Chicken,Pig,Cow,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	33kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human TNNI1+TNNI2 :51-150/182
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of

	antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Troponin proteins associate with tropomyosin and regulate the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Troponin I (TnI), along with troponin T (TnT) and troponin C (TnC), is one of 3 subunits that form the troponin complex of the thin filaments of striated muscle. TnI is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation. The TnI subfamily contains three genes: TnI-skeletal-fast-twitch, TnI-skeletal-slow-twitch, and TnI-cardiac. The TnI-fast and TnI-slow genes are expressed in fast-twitch and slow-twitch skeletal muscle fibers, respectively, while the TnI-cardiac gene is expressed exclusively in cardiac muscle tissue.</p> <p>Function: Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.</p> <p>Subunit: Binds to actin and tropomyosin.</p> <p>DISEASE: Arthrogryposis, distal, 2B (DA2B) [MIM:601680]: A form of distal arthrogryposis, a disease characterized by congenital joint contractures that mainly involve two or more distal parts of the limbs, in the absence of a primary neurological or muscle disease. DA2B is characterized by contractures of the hands and feet, and a distinctive face characterized by prominent nasolabial folds, small mouth and downslanting palpebral fissures. Note=The disease is caused by mutations affecting the gene represented in this entry.</p> <p>Similarity: Belongs to the troponin I family.</p> <p>SWISS: P19237</p> <p>Gene ID: 7135</p> <p>Database links: Entrez Gene: 7135Human Entrez Gene: 7136Human Omim: 191042Human Omim: 191043Human</p>

[SwissProt: P19237](#)Human

[SwissProt: P48788](#)Human

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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