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TNNI1 Recombinant Rabbit mAb

Catalog # AP100028

Product Information

Application	WB, IHC-P, IHC-F, IF, IP
Primary Accession	P19237
Other Accession	P19237
Reactivity	Human
Host	Rabbit
Clonality	Recombinant
Calculated MW	21692
Physical State	Liquid
Immunogen	A synthesized peptide derived from human TNNI1
Epitope Specificity	1-187/187
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	10mM phosphate buffered saline(pH 7.4) with 150mM sodium chloride, 0.05% BSA, 0.02% Proclin300 and 50% glycerol.
SIMILARITY	Belongs to the troponin I family.
SUBUNIT	Binds to actin and tropomyosin.
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.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.

Additional Information

Gene ID	7135
Other Names	SSTNI; TNN1; AMCD2B; DA2B; DA2B1; FSSV; fsTnI; 2700018B22Rik; TNNI1_HUMAN; TNNI1; Troponin I, slow-twitch isoform; TNNI2_HUMAN; TNNI2; Troponin I, fast-twitch isoform; TNNI2_MOUSE; TNNI1_MOUSE; troponin I1, slow skeletal type; troponin I type 1 (skeletal, slow)
Dilution	WB=1:1000-2000,IHC-P=1:100-500,IHC-F=1:100-500,IP=1:20-50,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	TNNI1
Function	Troponin I is the inhibitory subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity.
Tissue Location	Highest levels observed in human skeletal muscle (e.g. gastrocnemious muscle), differentiated cultures of primary human muscle cells and rhabdomyosarcoma cells cultured in low serum medium Expressed in C2 muscle cell myoblasts and myotubes

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.