

Mouse TNNI1 Monoclonal Antibody | anti-TNNI1 antibody

TNNI1 antibody

CATALOG # AAA107309	HOST Mouse	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

TNNI1; Monoclonal Antibody; TNNI1 antibody; Monoclonal TNNI1; Anti-TNNI1; Troponin I; slow skeletal muscle; DKFZp451O223; SSTNI; TNN1; anti-TNNI1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b kappa
Clone Number	AT36E7
Purity/Purification	TNNI1 antibody was purified by protein A affinity chromatography
Form/Format	Liquid in PBS, pH 7.4 with 0.02% Sodium Azide, and 10% glycerol
Concentration	1 mg/ml (varies by lot)
Sequence Length	187
Applicable Applications for anti-TNNI1 antibody	WB (Western Blot), ELISA
Biological Significance	Troponin I, slow skeletal muscle, also known as TNNI1, belongs to the troponin I family. The troponin I subfamily contains three genes: TNNI-skeletal-fast-twitch, TNNI-skeletal-slow-twitch, and TNNI-cardiac. The TNNI-fast and TNNI-slow genes are expressed in fast-twitch and slow-twitch skeletal muscle fibers, respectively, while the TNNI-cardiac gene is expressed exclusively in cardiac muscle tissue. TNNI1 is the inhibitory subunit; blocking actin-myosin interactions and thereby mediating striated muscle relaxation.
Immunogen	Recombinant human TNNI1 (1-187aa) Purified from E.coli
Preparation and Storage	Store at 4 degree C for short term storage, for long term storage aliquot and store at -20 degree C, avoid repeated freeze thaw cycles.

IMAGES



WB (Western Blot)

The extracts of mouse muscle (40 ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with TNNI1 antibody (1:500 - 1:5000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-TNNI1 antibody	Mouse monoclonal TNNI1 antibody
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49456945
NCBI GeneID	7135
UniProt Accession #	P19237; Q659A5; Q6FGS7; Q6FGW1; Q6ICU2; Q86T57; Q96DT9; A6NEH3; A8MSJ0
NCBI Official Full Name	TNNI1
NCBI Official Synonym Full Names	troponin I type 1 (skeletal, slow)
NCBI Official Symbol	TNNI1
NCBI Official Synonym Symbols	TNN1; SSTNI
NCBI Protein Information	troponin I, slow skeletal muscle
UniProt Protein Name	Troponin I, slow skeletal muscle
UniProt Gene Name	TNNI1
UniProt Entry Name	TNNI1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/tnni1-antibody-clone-at36e7-western-blot-elisa/107309>