

Mouse anti-Human TNNI2 Monoclonal Antibody | anti-TNNI2 antibody

TNNI2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA312069	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

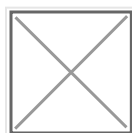
PRODUCT SYNONYMS

TNNI2; Monoclonal Antibody; TNNI2 Antibody; AMCD 2B antibody; AMCD2B antibody; DA 2B antibody; DA2B antibody; fast skeletal muscle antibody; Fast twitch skeletal muscle troponin I antibody; fast-twitch isoform antibody; FSSV antibody; fsTnI antibody; TNNI 2 antibody; Tnni2 antibody; TNNI2_HUMAN antibody; tro antibody; Troponin I antibody; Troponin I fast skeletal muscle antibody; Troponin I fast twitch 2 antibody; Troponin I fast twitch isoform antibody; Troponin I fast twitch skeletal muscle isoform antibody; Troponin I skeletal fast antibody; Troponin I type 2 (skeletal fast) antibody; Troponin I type 2 antibody; anti-TNNI2 antibody

PRODUCT SPECIFICATIONS

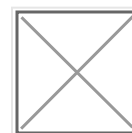
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Clone Number	A8-F12
Purity/Purification	ProA affinity purified
Form/Format	1*TBS (pH7.4), 1%BSA, Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-TNNI2 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



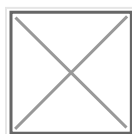
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of NIH/3T3 cells with TNNI2 antibody at 1/100 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red).



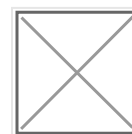
IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human striated muscle tissue using anti-TNNI2 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human cardiac muscle tissue using anti-TNNI2 antibody. Counter stained with hematoxylin.



WB (Western Blot)

Western blot analysis of TNNI2 on HEK293 (1) and TNNI2-hlgGfc transfected HEK293 (2) cell lysate using anti-TNNI2 antibody at 1/1, 000 dilution.



WB (Western Blot)

Western blot analysis of TNNI2 on human TNNI2 recombinant protein using anti-TNNI2 antibody at 1/1, 000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-TNNI2 antibody	Actin is a highly conserved protein that is expressed in all eukaryotic cells. Actin filaments can form both stable and labile structures and are crucial components of microvilli and the contractile apparatus of muscle cells. Myosin is a hexamer of 2 heavy chains (MHC) and 4 light chains (MLC) that interacts with actin to generate the force for diverse cellular movements, including cytokinesis, phagocytosis and muscle contraction. Troponin facilitates the interaction between actin and myosin by binding to calcium. Troponin is made up of at least two subunits, which are skeletal muscle skeletal muscle and slow skeletal muscle. Structures of skeletal muscle troponin are composed of Troponin C (the sensor), Troponin I (the regulator), and Troponin T (the link to the the regulator), and Troponin T C is dumbbell-shaped and has a hydrophobic pocket that increases the contractile force of muscle fibers. Troponin C has 2 isoforms: fast and slow. Fast troponin C has two calci um binding sites while slow/ cardiac troponin C has a single calcium binding site.
Product Categories/Family for anti-TNNI2 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	1351297
NCBI GeneID	7136
UniProt Accession #	P48788; A6NIV8; A6NJU5
Molecular Weight	182
NCBI Official Full Name	Troponin I, fast skeletal muscle
NCBI Official Synonym Full Names	troponin I type 2 (skeletal, fast)
NCBI Official Symbol	TNNI2
NCBI Official Synonym Symbols	DA2B; FSSV; fsTnI; AMCD2B
NCBI Protein Information	troponin I, fast skeletal muscle; troponin I fast twitch 2; troponin I, skeletal, fast; troponin I, fast-twitch isoform; troponin I, fast-twitch skeletal muscle isoform
UniProt Protein Name	Troponin I, fast skeletal muscle
UniProt Gene Name	TNNI2
UniProt Entry Name	TNNI2_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/tnni2-antibody-clone-a8-f12-flow-cytometry-immunohistochemistry-western-blot-elisa/312069>