Mouse anti-Human Troponin I-FS Monoclonal Antibody | anti-I-FS antibody

Troponin I-FS Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320251	**Mouse**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, Western Blot**

PRODUCT SYNONYMS

Troponin I-FS; Monoclonal Antibody; Troponin I-FS Monoclonal Antibody; Troponin I fast skeletal muscle; TNNI2; Troponin I; fast skeletal muscle; fast-twitch isoform; anti-I-FS antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Specificity	Troponin I-FS Monoclonal Antibody detects endogenous levels of Troponin I-FS protein.
Purity/Purification	Affinity purification
Form/Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Applicable Applications for anti-I-FS antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Purified recombinant fragment of human Troponin I-FS expressed in E coli.
Modification	Unmodified/Total
Preparation and Storage	Store at -20 degree C/1 year

IMAGES



Application Data



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of NIH/3T3 cells using Troponin I-FS Monoclonal Antibody (blue) and negative control (red).



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded rabbit cardiac muscle tissues with DAB staining using Troponin I-FS Monoclonal Antibody.



WB (Western Blot)
Western Blot analysis using Troponin I-FS Monoclonal Antibody against HEK293 (1) and TNNI2-hIgGFc transfected HEK293 (2) cell lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-I-FS antibody	This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated muscle contraction. Mouse studies show that this component is also present in vascular smooth muscle and may play a role in regulation of smooth muscle function. In addition to muscle tissues, this protein is found in corneal epithelium, cartilage where it is an inhibitor of angiogenesis to inhibit tumor growth and metastasis, and mammary gland where it functions as a co-activator of estrogen receptor-related receptor alpha. This protein also suppresses tumor growth in human ovarian carcinoma. Mutations in this gene cause myopathy and distal arthrogryposis type 2B. Alternatively spliced trans
Product Categories/Family for anti-I-FS antibody	Primary Antibodies

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/troponin-i-fs-antibody-flow-cytometry-immunofluorescence-immunohistochemistry-western-blot-elisa/320251