

Datasheet for ABIN969572

anti-TNNI2 antibody

5 Images

2 Publications

[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	TNNI2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human TNNI2 expressed in E. coli.
Clone:	2F12G2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	TNNI2
Alternative Name:	TNNI2 (TNNI2 Products)
Background:	Description: 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

Target Details

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 transcript variants have been found for this gene.

Aliases: DA2B, FSSV, fsTnI, AMCD2B

Molecular Weight:	21 kDa
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Gene ID:	7136
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HGNC:	7136
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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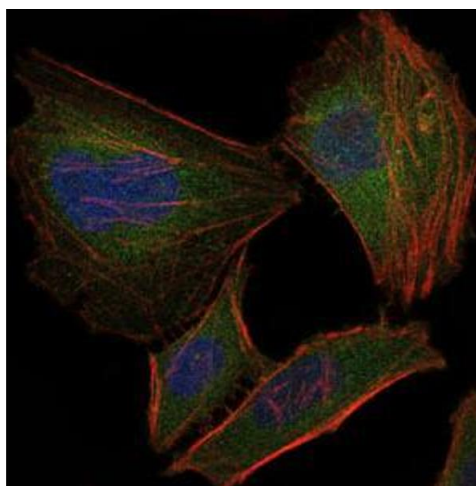
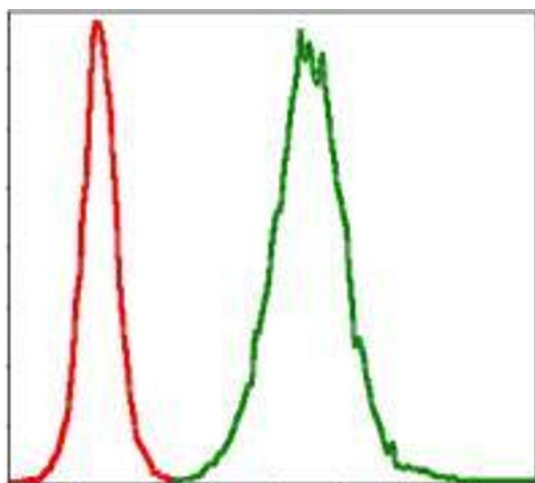
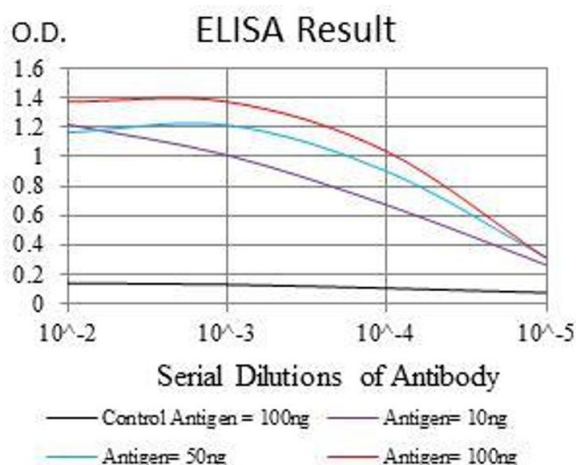
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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Publications

Product cited in:	Trilck, Peter, Zheng, Frank, Dobrenis, Mascher, Rolfs, Frech: "Diversity of glycosphingolipid GM2 and cholesterol accumulation in NPC1 patient-specific iPSC-derived neurons." in: Brain research , Vol. 1657, pp. 52-61, (2016) (PubMed).
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ELISA

Image 1. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Flow Cytometry

Image 2. Flow cytometric analysis of NIH/3T3 cells using TNNI2 mouse mAb (green) and negative control (red).

Immunofluorescence

Image 3. Immunofluorescence analysis of HeLa cells using TNNI2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN969572.