

Datasheet for ABIN952268
anti-TNNI2 antibody (N-Term)



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2 Images

Overview

Quantity:	0.4 mL
Target:	TNNI2
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNI2 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TNNI2
Isotype:	Ig Fraction
Specificity:	This antibody detects Fast skeletal muscle Troponin I (N-term).
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse
Purification:	Protein A column followed by peptide affinity purification

Target Details

Target:	TNNI2
Alternative Name:	Fast Skeletal Muscle Troponin I (TNNI2 Products)

Target Details

Background: 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 transcript variants have been found for this gene. [provided by RefSeq].Synonyms: TNNI2

Gene ID: 7136

NCBI Accession: [NP_001139301](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.25 mg/mL

Buffer: PBS with 0.09 % (W/V) sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. TNNI2 Antibody (N-term) western blot analysis in mouse stomach tissue lysates (35 µg/lane). This demonstrates the TNNI2 antibody detected the TNNI2 protein (arrow).

Western Blotting

Image 2. TNNI2 Antibody (N-term) western blot analysis in NCI-H460 cell line lysates (35 µg/lane). This demonstrates the TNNI2 antibody detected the TNNI2 protein (arrow).