

Product datasheet for **AP54323PU-N**

Troponin I fast skeletal muscle (TNNI2) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	ELISA: 1:1;000. Western blot: 1:100~500.
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human TNNI2
Specificity:	This antibody detects Fast skeletal muscle Troponin I (N-term).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	troponin I2, fast skeletal type
Database Link:	Entrez Gene 21953 Mouse Entrez Gene 7136 Human P48788



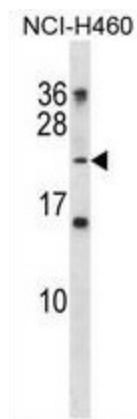
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Background:

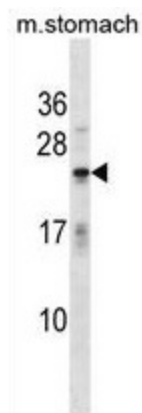
This gene encodes a fast-twitch skeletal muscle protein, a member of the troponin I gene family, and a component of the troponin complex including troponin T, troponin C and troponin I subunits. The troponin complex, along with tropomyosin, is responsible for the calcium-dependent regulation of striated 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 arthrogyposis type 2B. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq].

Synonyms:

TNNI2

Note:**Molecular Weight:** 21339 Da**Product images:**

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



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