

TNNI2 Polyclonal Antibody

Catalog No.	A7937	Category	Polyclonal Antibodies
Applications	WB	Observed MW	21kDa
Cross-reactivity	Human, Mouse, Rat	Calculated MW	21kDa

Immunogen Information

Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-100 of human TNNI2 (NP_003273.1).
Gene ID	7136
Swiss prot	P48788
Synonyms	TNNI2; AMCD2B; DA2B; FSSV; fsTnI; troponin I2, fast skeletal type

Product information

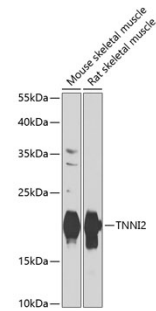
Source	Rabbit
Isotype	IgG
Purification method	Affinity purification
Storage	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

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.

Recommended Dilutions

WB 1:500 -
1:2000



Western blot - TNNI2 Polyclonal Antibody (A7937)