



Anti-TNNC2 (full length) polyclonal antibody (DPAB-DC3081)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Troponin (Tn), a key protein complex in the regulation of striated muscle contraction, is composed of 3 subunits. The Tn-I subunit inhibits actomyosin ATPase, the Tn-T subunit binds tropomyosin and Tn-C, while the Tn-C subunit binds calcium and overcomes the inhibitory action of the troponin complex on actin filaments. The protein encoded by this gene is the Tn-C subunit.
Immunogen	TNNC2 (AAH05323, 1 a.a. ~ 160 a.a) full-length recombinant protein with GST tag. The sequence is MTDQQAEARSYLSEEMIAEFKAAFD MFADGGDISVKELGTVMRMLGQTPTKEELDAII EEVDEDGSGTIDFEEFLVMMVRQMKEDAKGKSEEELAECFRIFDRNADGYIDPEELAEIF RASGEHVTDEEIESLMKDGDKNNDGRIDFDEFLKMMEGVQ
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	TNNC2 troponin C type 2 (fast) [Homo sapiens (human)]
Official Symbol	TNNC2
Synonyms	TNNC2; troponin C type 2 (fast); troponin C, skeletal muscle; troponin C2, fast;
Entrez Gene ID	7125
Protein Refseq	NP_003270
UniProt ID	P02585
Chromosome Location	20q12-q13.11
Pathway	Calcium signaling pathway; Muscle contraction.
Function	contributes_to actin binding; calcium ion binding;