



# Anti-TNNT1 (aa 16-31) polyclonal antibody (DPAB3272RB)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal antibody to bovine Troponin T1 (aa 16-31), HRP-conjugated
<b>Antigen Description</b>	The sarcomere, the contractile element in muscle, including the myocardium, is constituted by 7 major proteins and several minor ones organized into thin and thick filaments. Each tropomyosin dimer interacts with 7 actins and is associated with a troponin complex. Each complex is composed of 1 molecule of each of the 3 troponins: T, C, and I. This tropomyosin-troponin complex is responsible for the calcium sensitivity of the contractile apparatus
<b>Specificity</b>	Synthetic bovine Troponin T (aa 16-31); natural bovine Troponin T1. peptide (aa 16-31) There were no cross reactivities obtained with synthetic rabbit Troponin T1 peptide (aa 34-62), rabbit Troponin T from muscle; human Troponin T from muscle, BSA
<b>Immunogen</b>	Synthetic bovine Troponin T1 peptide (aa 16-31) KLH conjugated. (APPPAEVPEVHEEVH)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Bovine
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ELISA
<b>Concentration</b>	10 µg / 100 µg
<b>Preservative</b>	None
<b>Storage</b>	-20 °C (dissolved)

# GENE INFORMATION

Gene Name	<a href="#">TNNT1 troponin T type 1 (skeletal, slow) [ Bos taurus ]</a>
Official Symbol	TNNT1
Synonyms	troponin T, slow skeletal muscle; sTnT; tnTs; troponin T1, skeletal, slow; slow skeletal muscle troponin T
Entrez Gene ID	<a href="#">282095</a>
Protein Refseq	<a href="#">NP_776899</a>
UniProt ID	<a href="#">Q8MKH6</a>
Chromosome Location	18; AC_000175.1 (62725898..62735263)
Pathway	Muscle contraction; Striated Muscle Contraction
Function	tropomyosin binding