

Datasheet for ABIN629823

anti-TNNI1 antibody





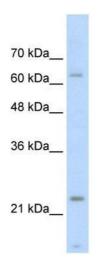
Overview

Quantity:	100 μg
Target:	TNNI1
Reactivity:	Human, Rat, Mouse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNI1 antibody is un-conjugated
Application:	Western Blotting (WB)
Product Details	
Immunogen:	Troponin I Type 1 antibody was raised using a synthetic peptide corresponding to a region with amino acids PPLRRVRVSADAMLRALLGSKHKVSMDLRANLKSVKKEDTEKERPVEVGD
Purification:	Purified
Target Details	
Target:	TNNI1
Abstract:	TNNI1 Products
Background:	Troponin proteins associate with tropomyosin and regulate the calcium sensitivity of the myofibril contractile apparatus of striated muscles. Each troponin-tropomyosin complex contains 1 molecule from each of the 3 troponins: T, C, and I. The troponin I (TNI) subfamily contains three genes: TNI-skeletal-fast-twitch, TNI-skeletal-slow-twitch, and TNI-cardiac. TNNI1
	prevents muscle contraction by inhibiting calcium-mediated conformational changes in actin-

Target Details

l'arget Details		
	myosin complexes.	
Molecular Weight:	21 kDa (MW of target protein)	
Application Details		
Application Notes:	WB: 2.5 μg/mL	
	Optimal conditions should be determined by the investigator.	
Comment:	Troponin I Type 1 Blocking Peptide, catalog no. 33R-7266, is also available for use as a blocking	
	control in assays to test for specificity of this Troponin I Type 1 antibody	
Restrictions:	For Research Use only	
Handling		
Format:	Lyophilized	
Reconstitution:	Lyophilized powder. Add distilled water for a 1 mg/mL concentration of TNNI1 antibody in PBS	
Concentration:	Lot specific	
Buffer:	PBS	
Handling Advice:	Avoid repeated freeze/thaw cycles.	
Storage:	4 °C/-20 °C	
Storage Comment:	Store at 2-8 °C for short periods. For longer periods of storage, store at -20 °C.	

Images



Western Blotting

Image 1. Troponin I Type 1 antibody used at 2.5 ug/ml to detect target protein.