

Datasheet for ABIN629823 **anti-TNNI1 antibody**



[Go to Product page](#)

1 Image

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 PPLRRVRVSADAMLRALLGSKHKVSMDLRANLKS VKKEDTEKERPVEVGD
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

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.