

Datasheet for ABIN6254118  
**anti-TNNI3 antibody (pSer23, pSer24)**



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## Overview

Quantity:	100 µL
Target:	TNNI3
Binding Specificity:	pSer23, pSer24
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNI3 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Immunogen:	Synthetic phospho-peptide corresponding to amino acid residues surrounding Ser23/24 conjugated to KLH
Cross-Reactivity:	Mouse (Murine), Rat (Rattus)
Predicted Reactivity:	human, non-human primate
Purification:	Antigen Affinity Purified from Pooled Serum

## Target Details

Target:	TNNI3
Alternative Name:	TNNI3 ( <a href="#">TNNI3 Products</a> )
Molecular Weight:	25 kDa

## Target Details

Gene ID: 21954

UniProt: [P48787](#)

## Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

Buffer: 100  $\mu$ L in 10 mM HEPES ( pH 7.5), 150 mM NaCl, 100  $\mu$ g per ml BSA and 50 % glycerol.

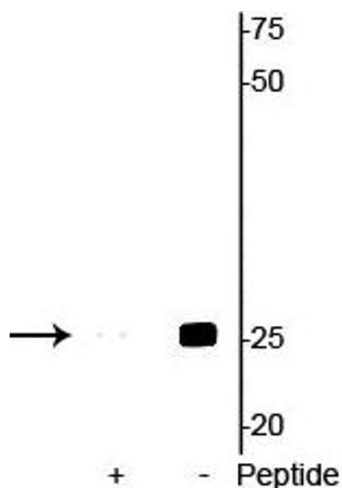
Storage: -20  $^{\circ}$ C

## Publications

Product cited in: Lin, Schmidt, Fritz, Jeong, Cammarato, Foster, Biesiadecki, McKinsey, Woulfe: "Site-specific acetyl-mimetic modification of cardiac troponin I modulates myofilament relaxation and calcium sensitivity." in: **Journal of molecular and cellular cardiology**, Vol. 139, pp. 135-147, (2020) ([PubMed](#)).

Woulfe, Ferrara, Pioner, Mahaffey, Coppini, Scellini, Ferrantini, Piroddi, Tesi, Poggesi, Jeong: "A Novel Method of Isolating Myofibrils From Primary Cardiomyocyte Culture Suitable for Myofibril Mechanical Study." in: **Frontiers in cardiovascular medicine**, Vol. 6, pp. 12, (2019) ([PubMed](#)).

## Images



### Western Blotting

**Image 1.** Western blot of mouse heart lysate showing specific immunolabeling of the ~25 kDa cardiac troponin I protein phosphorylated at Ser23/24 in the second lane (-). Phosphospecificity is shown in the first lane (+) where immunolabeling is blocked by preadsorption with the phosphopeptide used as antigen, but not by the corresponding non-phosphopeptide (not shown).