

Datasheet for ABIN7452974  
**anti-SNTA1 antibody (AA 50-100)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	SNTA1
Binding Specificity:	AA 50-100
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SNTA1 antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	Rabbit anti-SNTA1 Antibody, Affinity Purified
Immunogen:	Between AA 50 and 100
Isotype:	IgG
Purification:	Affinity Purified

## Target Details

Target:	SNTA1
Alternative Name:	SNTA1 ( <a href="#">SNTA1 Products</a> )
Background:	Background: Syntrophins are cytoplasmic peripheral membrane scaffold proteins that are components of the dystrophin-associated protein complex. Syntrophin-1 (SNTA1) is a member

## Target Details

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of the syntrophin gene family and encodes the most common syntrophin isoform found in cardiac tissues. The N-terminal PDZ domain of this syntrophin protein interacts with the C-terminus of the pore-forming alpha subunit (SCN5A) of the cardiac sodium channel Nav1.5. This protein also associates cardiac sodium channels with the nitric oxide synthase-PMCA4b (plasma membrane Ca-ATPase subtype 4b) complex in cardiomyocytes. The SNTA1 gene is a susceptibility locus for Long-QT syndrome (LQT) - an inherited disorder associated with sudden cardiac death from arrhythmia - and sudden infant death syndrome (SIDS). This protein also associates with dystrophin and dystrophin-related proteins at the neuromuscular junction and alters intracellular calcium ion levels in muscle tissue [taken from NCBI Entrez Gene (Gene ID: 6640)].

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Gene ID: 6640

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UniProt: [Q13424](#)

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Pathways: [Synaptic Membrane, Skeletal Muscle Fiber Development](#)

## Application Details

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Application Notes: IP: Not recommended

WB: 1:1,000 - 1:5,000

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Restrictions: For Research Use only

## Handling

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Concentration: 1000 µg/mL

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Buffer: Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09 % Sodium Azide

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Preservative: Sodium azide

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Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

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Storage: 4 °C

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Expiry Date: 12 months