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Datasheet for ABIN1402828

**anti-TNNI3K antibody (Alexa Fluor 488)**

## Overview

Quantity:	100 µL
Target:	TNNI3K
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TNNI3K antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TNNI3K
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

## Target Details

Target:	TNNI3K
Alternative Name:	TNNI3K ( <a href="#">TNNI3K Products</a> )
Background:	<p>Synonyms: Cardiac ankyrin repeat kinase, CARK, MGC142099, MGC33828, Serine/threonine protein kinase TNN13K, Serine/threonine-protein kinase TNNI3K, TNI3K_HUMAN, TNNI3 interacting kinase, TNNI3-interacting kinase, Tnni3k.</p> <p>Background: TNNI3K, also known as CARK, is a 936 amino acid serine/threonine-protein kinase</p>

## Target Details

that is highly expressed in heart. Overexpression of TNNI3K leads to improved cardiac function by enhancing beating frequency and increasing contractile force and epinephrine response. TNNI3K suppresses phosphorylation of cardiac troponin I and p38/JNK-mediated apoptosis, therefore protecting the myocardium from ischemic injury. Administration of TNNI3K to mice with myocardial infarction improves cardiac performance and attenuates ventricular remodeling, suggesting that TNNI3K could be a promising target in the treatment of cardiac diseases. There are four isoforms of TNNI3K that are produced as a result of alternative splicing events.

Gene ID: 51086

## Application Details

Application Notes: IF(IHC-P) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months