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Datasheet for ABIN7146586

**anti-CASQ2 antibody (AA 219-300) (Biotin)**

## Overview

Quantity:	100 µg
Target:	CASQ2
Binding Specificity:	AA 219-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASQ2 antibody is conjugated to Biotin
Application:	ELISA

## Product Details

Immunogen:	Recombinant Human Calsequestrin-2 protein (219-300AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

## Target Details

Target:	CASQ2
Alternative Name:	CASQ2 ( <a href="#">CASQ2 Products</a> )
Background:	Background: Calsequestrin is a high-capacity, moderate affinity, calcium-binding protein and thus acts as an internal calcium store in muscle. Calcium ions are bound by clusters of acidic

## Target Details

residues at the protein surface, especially at the interface between subunits. Can bind around 60 Ca(2+) ions. Regulates the release of luminal Ca(2+) via the calcium release channel RYR2, this plays an important role in triggering muscle contraction. Plays a role in excitation-contraction coupling in the heart and in regulating the rate of heart beats.

Aliases: AA033488 antibody, AW146219 antibody, Calsequestrin 2 (cardiac muscle) antibody, Calsequestrin 2 fast twitch cardiac muscle antibody, Calsequestrin antibody, Calsequestrin cardiac muscle isoform antibody, Calsequestrin fast twitch cardiac muscle antibody, Calsequestrin-2 antibody, Calsequestrin2 antibody, cardCSQ antibody, Cardiac calsequestrin 2 antibody, cardiac muscle isoform antibody, CASQ 2 antibody, CASQ2 antibody, CASQ2\_HUMAN antibody, cCSQ antibody, ESTM52 antibody, FLJ26321 antibody, FLJ93514 antibody, PDIB2 antibody

UniProt: [O14958](#)

Pathways: [Negative Regulation of Transporter Activity](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300  
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.