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Datasheet for ABIN7146588

anti-CASQ2 antibody (AA 219-300) (HRP)

Overview

Quantity:	100 µg
Target:	CASQ2
Binding Specificity:	AA 219-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASQ2 antibody is conjugated to HRP
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 (CASQ2 Products)
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.