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Datasheet for ABIN1881138  
**anti-CASQ2 antibody (AA 79-107)**

1 Image

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### Overview

Quantity:	400 µL
Target:	CASQ2
Binding Specificity:	AA 79-107
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASQ2 antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This CASQ2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 79-107 amino acids from the Central region of human CASQ2.
Clone:	RB41817
Isotype:	Ig Fraction
Predicted Reactivity:	Rb
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	CASQ2
Alternative Name:	CASQ2 ( <a href="#">CASQ2 Products</a> )

## Target Details

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**Background:** The protein encoded by this gene specifies the cardiac muscle family member of the calsequestrin family. Calsequestrin is localized to the sarcoplasmic reticulum in cardiac and slow skeletal muscle cells. The protein is a calcium binding protein that stores calcium for muscle function. Mutations in this gene cause stress-induced polymorphic ventricular tachycardia, also referred to as catecholaminergic polymorphic ventricular tachycardia 2 (CPVT2), a disease characterized by bidirectional ventricular tachycardia that may lead to cardiac arrest. [provided by RefSeq].

**Molecular Weight:** 46436

**NCBI Accession:** [NP\\_001223](#)

**UniProt:** [O14958](#)

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

## Application Details

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**Application Notes:** WB: 1:1000

**Restrictions:** For Research Use only

## Handling

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**Format:** Liquid

**Buffer:** Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

**Preservative:** Sodium azide

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

**Storage:** 4 °C,-20 °C

**Expiry Date:** 6 months

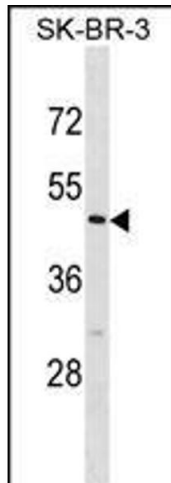
## Publications

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**Product cited in:** Choudhary, Kumar, Gnad, Nielsen, Rehman, Walther, Olsen, Mann: "Lysine acetylation targets protein complexes and co-regulates major cellular functions." in: **Science (New York, N.Y.)**, Vol. 325, Issue 5942, pp. 834-40, (2009) ([PubMed](#)).

Dickeson, Helmkamp, Yarbrough: "Sequence of a human cDNA encoding phosphatidylinositol

transfer protein and occurrence of a related sequence in widely divergent eukaryotes." in: **Gene**, Vol. 142, Issue 2, pp. 301-5, (1994) ([PubMed](#)).



#### Western Blotting

**Image 1.** CASQ2 Antibody (Center) (ABIN1881138 and ABIN2838874) western blot analysis in SK-BR-3 cell line lysates (35 µg/lane). This demonstrates the CASQ2 antibody detected the CASQ2 protein (arrow).