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anti-CASQ2 antibody (AA 219-300)

Images



Overview

Quantity:	100 μg
Target:	CASQ2
Binding Specificity:	AA 219-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CASQ2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

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

residues at the protein surface, especially at the interface between subunits. Can bind around 60 Ca(2+) ions. Regulates the release of lumenal 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: 014958

Pathways: Negative Regulation of Transporter Activity

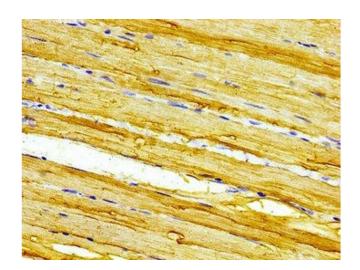
Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:20-1:200,

Restrictions: For Research Use only

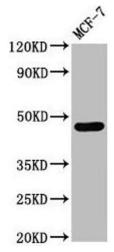
Handling

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.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human skeletal muscle tissue using ABIN7146585 at dilution of 1:100



Western Blotting

Image 2. Western Blot Positive WB detected in: MCF-7 whole cell lysate All lanes: CASQ2 antibody at 3 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 47, 39 kDa Observed band size: 47 kDa