Datasheet for ABIN7168505

anti-RYR1 antibody (AA 1-534)

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1 Image

Overview

Quantity:	100 µg
Target:	RYR1
Binding Specificity:	AA 1-534
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RYR1 antibody is un-conjugated
Application:	ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human Ryanodine receptor 1 protein (1-534AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	RYR1
Alternative Name:	RYR1 (RYR1 Products)
Background:	Background: Calcium channel that mediates the release of Ca2+ from the sarcoplasmic reticulum into the cytoplasm and thereby plays a key role in triggering muscle contraction

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Target Details

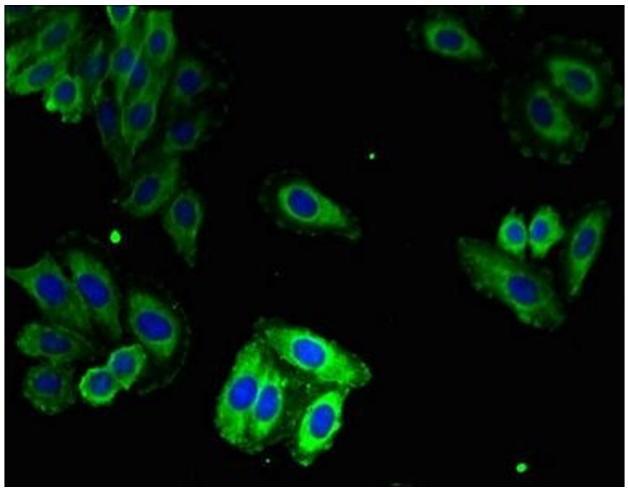
	following depolarization of T-tubules. Repeated very high-level exercise increases the open probability of the channel and leads to Ca2+ leaking into the cytoplasm. Can also mediate the release of Ca2+ from intracellular stores in neurons, and may thereby promote prolonged Ca2+ signaling in the brain. Required for normal embryonic development of muscle fibers and skeletal muscle. Required for normal heart morphogenesis, skin development and ossification during embryogenesis Aliases: CCO antibody, Central core disease of muscle antibody, MHS antibody, MHS1 antibody, PPP1R137 antibody, Protein phosphatase 1 regulatory subunit 137 antibody, Ryanodine receptor 1 antibody, RYDR antibody, RYR antibody, RYR-1 antibody, RyR1 antibody, RYR1_HUMAN antibody, sarcoplasmic reticulum calcium release channel antibody, Skeletal muscle calcium release channel antibody, Skeletal muscle ryanodine receptor antibody, Skeletal muscle-type ryanodine receptor antibody, SKRR antibody, Type 1 ryanodine receptor antibody
UniProt:	P21817
Pathways:	Myometrial Relaxation and Contraction, Skeletal Muscle Fiber Development

Application Details

Application Notes:	Recommended dilution: IF:1:50-1:200,
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.



Immunofluorescence

Image 1. Immunofluorescent analysis of HepG2 cells using ABIN7168505 at dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

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