



Anti-RYR1 (C-terminal) polyclonal antibody (DPAB-DC2766)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a ryanodine receptor found in skeletal muscle. The encoded protein functions as a calcium release channel in the sarcoplasmic reticulum but also serves to connect the sarcoplasmic reticulum and transverse tubule. Mutations in this gene are associated with malignant hyperthermia susceptibility, central core disease, and minicore myopathy with external ophthalmoplegia. Alternatively spliced transcripts encoding different isoforms have been described.
Immunogen	A synthetic peptide corresponding to C-terminus of human RYR1.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB, ELISA,
Format	Liquid
Size	100 µg
Buffer	In PBS, pH 7.2 (50% glycerol, 0.01% sodium azide)
Preservative	0.01% Sodium Azide
Storage	Store at -20°C. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	RYR1 ryanodine receptor 1 (skeletal) [Homo sapiens (human)]
Official Symbol	RYR1
Synonyms	RYR1; ryanodine receptor 1 (skeletal); CCO; MHS; RYR; MHS1; RYDR; SKRR; RYR-1; PPP1R137; ryanodine receptor 1; central core disease of muscle; type 1-like ryanodine receptor; skeletal muscle ryanodine receptor; skeletal muscle calcium release channel; protein phosphatase 1, regulatory subunit 137; sarcoplasmic reticulum calcium release channel;
Entrez Gene ID	6261
Protein Refseq	NP_000531
UniProt ID	P21817
Chromosome Location	19q13.1
Pathway	Calcium Regulation in the Cardiac Cell; Circadian entrainment; Long-term depression; Oxytocin signaling pathway
Function	calcium channel activity; calcium ion binding; calcium-release channel activity; calmodulin binding