



Rabbit Anti-Human RYR2 Polyclonal Antibody (CABT-Z407R)

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

PRODUCT INFORMATION

Immunogen	Peptide
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IHC, IF, ELISA Recommended dilution: WB: 1:500-1:2000 IHC: 1:100-1:400 IF: 1:50-1:500
Format	Liquid
Concentration	Lot specific
Size	150 µl
Buffer	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Preservative	0.02% sodium azide
Storage	Store at -20°C. Stable for one year after shipment. Aliquoting is unnecessary for -20°C storage.
Ship	Wet ice

BACKGROUND

Introduction RYR2 belongs to the ryanodine receptor family. RYR2 provides communication between transverse-tubules and sarcoplasmic reticulum. Contraction of cardiac muscle is triggered by release of calcium ions from SR following depolarization of T-tubules. Defects in RYR2 are the cause of familial arrhythmogenic right ventricular dysplasia type 2 (ARVD2) which known as arrhythmogenic right ventricular cardiomyopathy 2 (ARVC2). Defects in RYR2 are the cause of catecholaminergic polymorphic ventricular tachycardia type 1 (CPVT1) which known as stress-induced polymorphic ventricular tachycardia (VTSIP).

Keywords RYR2;ryanodine receptor 2 (cardiac);RyR;ARVC2;ARVD2;RYR-2

GENE INFORMATION

Gene Name RYR2

Entrez Gene ID [6262](#)

UniProt ID [Q92736](#)