

For Research Use Only

CoraLite® Plus 647-conjugated RYR2 Polyclonal antibody



Catalog Number:CL647-27587

Basic Information

Catalog Number: CL647-27587	GenBank Accession Number: NM_001035	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6262	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: ryanodine receptor 2 (cardiac)	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Isotype: IgG	Calculated MW: 565 kDa	
Immunogen Catalog Number: AG26296		

Applications

Tested Applications: IF	Positive Controls: IF : mouse heart tissue,
Species Specificity: Human	

Background Information

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).

Storage

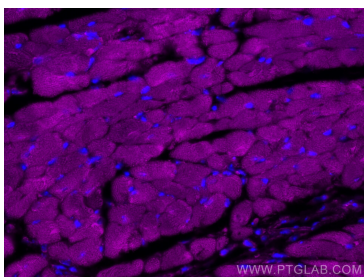
Storage:
Store at -20°C. Avoid exposure to light.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using Coralite® Plus 647 RYR2 antibody (CL647-27587) at dilution of 1:200.