

For Research Use Only

CoraLite® Plus 405-conjugated RYR2 Polyclonal antibody



Catalog Number:CL405-27587

Basic Information

Catalog Number: CL405-27587	GenBank Accession Number: NM_001035	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 6262	Excitation/Emission maxima wavelengths: 404 nm / 431 nm
Source: Rabbit	Full Name: ryanodine receptor 2 (cardiac)	
Isotype: IgG	Calculated MW: 565 kDa	
Immunogen Catalog Number: AG26296		

Applications

Tested Applications:
FC (Intra)

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. Stable for one year after shipment.

Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

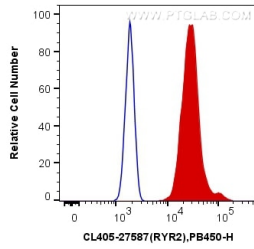
Aliquoting is unnecessary for -20°C storage

*** 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



1X10⁶ HEK-293T cells were intracellularly stained with 0.4 ug CoraLite® Plus 405 Anti-Human RYR2 (CL405-27587) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).