

For Research Use Only

# CoraLite® Plus 405-conjugated RYR2 Polyclonal antibody



Catalog Number: **CL405-27587**

## Basic Information

Catalog Number:

CL405-27587

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26296

GenBank Accession Number:

NM\_001035

GeneID (NCBI):

6262

Full Name:

ryanodine receptor 2 (cardiac)

Calculated MW:

565 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima wavelengths:

399 nm / 422 nm

## Applications

Tested Applications:

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

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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