

Anti-Human/Mouse/Rat RYR2 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA05798

3th Edition

Description: This gene encodes a ryanodine receptor found in cardiac muscle sarcoplasmic reticulum. The encoded protein is one of the components of a calcium channel, composed of a tetramer of the ryanodine receptor proteins and a tetramer of FK506 binding protein 1B proteins, that supplies calcium to cardiac muscle. Mutations in this gene are associated with stress-induced polymorphic ventricular tachycardia and arrhythmogenic right ventricular dysplasia. RYR2 (Ryanodine Receptor 2) is a Protein Coding gene. Diseases associated with RYR2 include Ventricular Tachycardia, Catecholaminergic Polymorphic, 1 and Arrhythmogenic Right Ventricular Dysplasia 2. Among its related pathways are Transport of glucose and other sugars, bile salts and organic acids, metal ions and amine compounds and Cell-type Dependent Selectivity of CCK2R Signaling. GO annotations related to this gene include calcium ion binding and protein kinase binding. An important paralog of this gene is RYR3.

Antigen: Synthesized peptide derived from human RyR-2 around the non-phosphorylation site of Ser2808.

Form:

How to use: 1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution: PBS (pH7.4) containing 1% BSA

Application: This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity: Detected in heart muscle (at protein level). Heart muscle, brain (cerebellum and hippocampus) and placenta.