RYR2 Polyclonal Antibody

catalog number: **E-AB-32840**

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Synthesized peptide derived from human RyR-2 around the non-phosphorylation site of Ser2808.
Host	Rabbit
Isotype	Rabbit IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

Applications	Recommended Dilution
WB	1:500-1:2000
IHC	1:100-1:300
IF	1:200-1:1000

Data



Western Blot analysis of HepG2-UV, Mouse brain, AD293T, PC-3 using RYR2 Polyclonal Antibody at dilution of 1:2000.

Observed-MW:200-300 kDa

Calculated-MW:564 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack,upon receipt,store it immediately at the temperature recommended.

Background

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.

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