

ARG67296 anti-Ryanodine receptor 2 / RYR-2 phospho (Ser2808) antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Ryanodine receptor 2 / RYR-2 phospho (Ser2808)
Tested Reactivity	Hu, Ms, Rat, Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Target Name	Ryanodine receptor 2 / RYR-2
Immunogen	KLH-conjugated phospho-peptide
Conjugation	Un-conjugated
Alternate Names	Ryanodine receptor 2; RYR-2; RyR2; hRYR-2; Cardiac muscle ryanodine receptor; Cardiac muscle ryanodine receptor-calcium release channel; Type 2 ryanodine receptor

Application Instructions

Application table	<table><thead><tr><th>Application</th><th>Dilution</th></tr></thead><tbody><tr><td>WB</td><td>1:500 - 1:1000</td></tr></tbody></table>	Application	Dilution	WB	1:500 - 1:1000
Application	Dilution				
WB	1:500 - 1:1000				
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.				
Observed Size	565 kDa				

Properties

Form	Liquid
Purification	Affinity chromatography purified
Buffer	0.42% Potassium phosphate (pH 7.3), 0.87% NaCl, 0.01% Sodium azide and 30% Glycerol.
Preservative	0.01% Sodium azide
Stabilizer	30 % Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	RYR2
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Gene Full Name	Ryanodine Receptor 2
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. [provided by RefSeq, Jul 2008]
Function	Cytosolic calcium-activated calcium channel that mediates the release of Ca ²⁺ from the sarcoplasmic reticulum into the cytosol and thereby plays a key role in triggering cardiac muscle contraction. Aberrant channel activation can lead to cardiac arrhythmia. In cardiac myocytes, calcium release is triggered by increased Ca ²⁺ cytosolic levels due to activation of the L-type calcium channel CACNA1C. The calcium channel activity is modulated by formation of heterotetramers with RYR3. Required for cellular calcium ion homeostasis. Required for embryonic heart development. [UniProt]
Calculated Mw	565 kDa
PTM	Phosphoprotein. [UniProt]
Cellular Localization	Sarcoplasmic reticulum membrane. [UniProt]

Images



ARG67296 anti-Ryanodine receptor 2 / RYR-2 phospho (Ser2808) antibody WB image

Western blot: U251 stained with ARG67296 anti-Ryanodine receptor 2 / RYR-2 phospho (Ser2808) antibody.



ARG67296 anti-Ryanodine receptor 2 / RYR-2 phospho (Ser2808) antibody WB image

Western blot: Mouse muscle stained with ARG67296 anti-Ryanodine receptor 2 / RYR-2 phospho (Ser2808) antibody.