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Datasheet for ABIN7301264

anti-RYR2 antibody (pSer2808)

3 Images

Overview

Quantity:	100 µL
Target:	RYR2
Binding Specificity:	pSer2808
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RYR2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunochromatography (IC)

Product Details

Immunogen:	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Ryanodine Receptor 2 (pS2808).
Specificity:	Recognizes endogenous levels of Ryanodine Receptor 2 (pS2808) protein.
Characteristics:	Rabbit polyclonal antibody to Ryanodine Receptor 2 (pS2808)
Purification:	The antibody was purified by immunogen affinity chromatography.

Target Details

Target:	RYR2
Alternative Name:	Ryanodine Receptor 2 (RYR2 Products)

Target Details

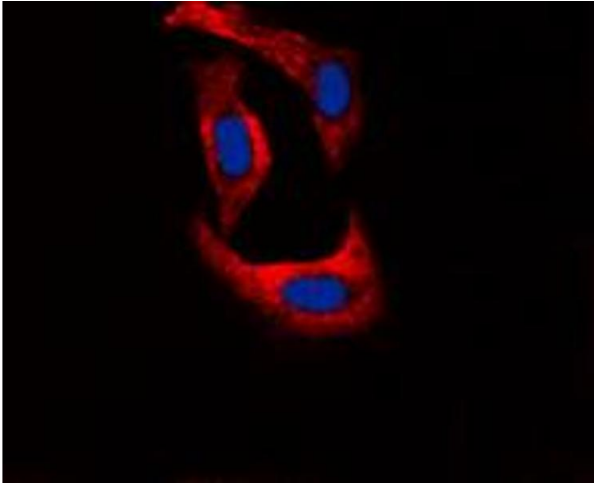
Background:	Ryanodine receptor 2, RYR-2, RyR2, hRYR-2, Cardiac muscle ryanodine receptor, Cardiac muscle ryanodine receptor-calcium release channel, Type 2 ryanodine receptor
Gene ID:	6262, 20191, 689560
UniProt:	Q92736 , E9Q401 , B0LPN4
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	WB (1:500 - 1:1000), IH (1:100 - 1:200), IF/IC (1:100 - 1:500)
Restrictions:	For Research Use only

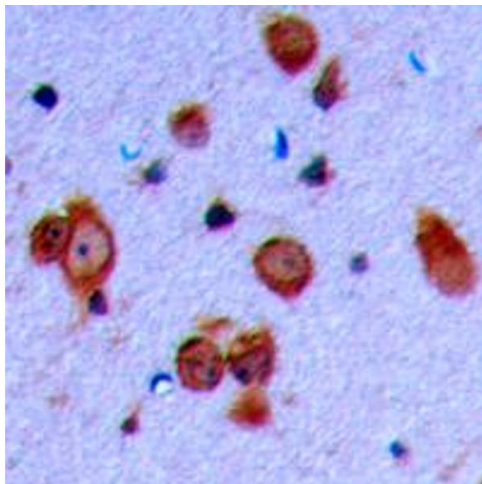
Handling

Format:	Liquid
Buffer:	Liquid in 0.42 % Potassium phosphate, 0.87 % Sodium chloride, pH 7.3, 30 % glycerol, and 0.01 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Shipped at 4°C. Upon delivery aliquot and store at -20°C for one year. Avoid freeze/thaw cycles.
Expiry Date:	12 months



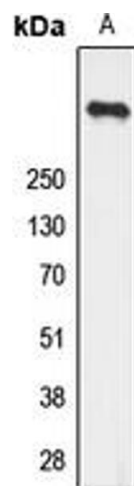
Immunofluorescence

Image 1. Immunofluorescent analysis of Ryanodine Receptor 2 (pS2808) staining in U251 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunohistochemistry

Image 2. Immunohistochemical analysis of Ryanodine Receptor 2 (pS2808) staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Western Blotting

Image 3. Western blot analysis of Ryanodine Receptor 2 (pS2808) expression in U251 (A) whole cell lysates.