Product Datasheet

RYR2 Antibody

Catalog No: #48554

Signalway Antibody

Package Size: #48554-1 50ul #48554-2 100ul Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Cionality Polyclonal Purification Peptide affinity purified. Applications WB,ICC,IHC,FC Species Reactivity Hu, Ms, Rt Immunogen Description Synthetic peptide within human RYR2 aa 1450-1550. Other Names Arrhythmogenic right ventricular dysplasia 2 antibody ARVC2 antibody ARVD2 antibody Brain ryanodine receptor calcium release channel antibody Brain type ryanodine receptor antibody Cardiac muscle ryanodine receptor calcium release channel antibody Cardiac muscle type ryanodine receptor antibody CCO antibody Central core disease of muscle antibody HBRR antibody hRYR2 antibody MHS antibody MHS antibody Ryanodine receptor 1 (skeletal) antibody Ryanodine receptor 1 (cardiac) antibody Ryanodine receptor 2 antibody Ryanodine receptor 1 (skeletal) antibody RYR3 antibody RYR3 antibody RYR3 antibody RYR1 antibody RYR1 antibody RYR1 antibody RYR2 antibody RYR3 antibody RYR3 antibody RYR1 antibody RYR1 antibody RYR3 antibody Skeletal muscle ryanodine receptor ryanodine receptor antibody Skeletal muscle type ryanodine receptor antibody Skeletal muscle ryanodine receptor antibody Skeletal muscle type ryanodine receptor antibody Type 1 ryanodine receptor antibody VTSIP antibody Accession No. Swiss-Prot#:Q92736	Description	
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	GeneID	6262;
Formulation 1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.	Calculated MW	565 kDa
	Formulation	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.

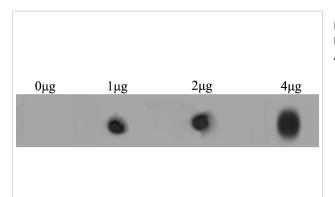
Application Details

WB: 1:500IHC: 1:50-1:200ICC: 1:50-1:100FC: 1:50-1:100

Store at -20°C

Images

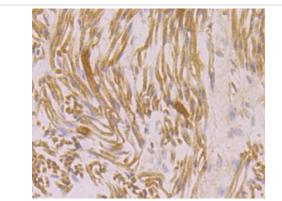
Storage



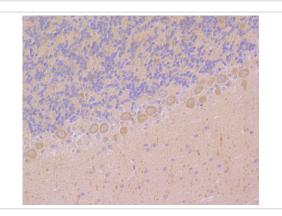
Dot blot analysis of anti-RYR2 immunization peptide on PVDF. 1ug, 2ug and 4ug peptides were given in this test. Anti-RYR2 antibody was diluted with 1/500.



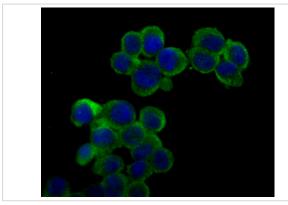
Immunohistochemical analysis of paraffin-embedded rat skeletal muscle tissue using anti-RYR2 antibody. Counter stained with hematoxylin.



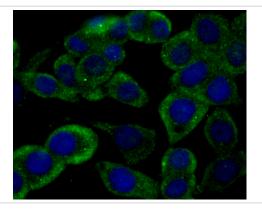
Immunohistochemical analysis of paraffin-embedded human fetal skeletal muscle tissue using anti-RYR2 antibody. Counter stained with hematoxylin.



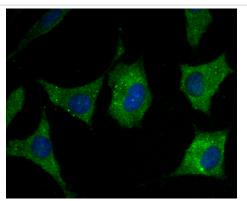
Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue using anti-RYR2 antibody. Counter stained with hematoxylin.



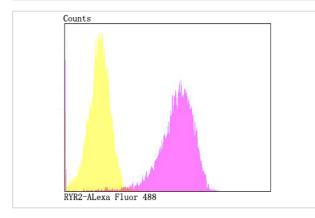
ICC staining RYR2 in 293T cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RYR2 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining RYR2 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of 293T cells with RYR2 antibody at 1/100 dilution (fuchsia) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Calcium channel that mediates the release of Ca2+ from the sarcoplasmic reticulum into the cytoplasm 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 Ca2+ 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.

References

Note: This product is for in vitro research use only