

	<h1>RYR2 Rabbit pAb</h1>	E 2 5 0 0 2 9 8
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<b>Swiss-Prot No.:</b>	Q92736
<b>Alternate:</b>	RYR2
<b>Storage/Stability:</b>	Store at -20°C. Avoid freeze / thaw cycles.
<b>Immunogen:</b>	A synthetic peptide corresponding to a sequence within amino acids 1950-2050 of human RYR2 (NP_001026.2).
<b>Purification:</b>	Affinity purified
<b>Reactivity:</b>	Human,Mouse,Rat
<b>Other Names:</b>	RyR; ARVC2; ARVD2; RYR-2; VT SIP
<b>Cellular localization:</b>	Membrane, Sarcoplasmic reticulum
<b>Relevance:</b>	Calcium channel that mediates the release of Ca <sup>2+</sup> 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 Ca <sup>2+</sup> 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.
<b>Source:</b>	Rabbit

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<b>Antibody type:</b>	Polyclonal antibody
<b>Isotype:</b>	Rabbit IgG
<b>Molecular Weight:</b>	500kDa
<b>Preservative:</b>	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
<b>Recommended Dilutions:</b>	WB 1:500 - 1:2000; IHC 1:50 - 1:200 (Optimal dilutions should be determined by the end user)