Datasheet for ABIN7599921

anti-RYR2 antibody (AA 1293-1423)

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Overview

Quantity:	100 µg
Target:	RYR2
Binding Specificity:	AA 1293-1423
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RYR2 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Anti-RYR2 Antibody Picoband®
Immunogen:	E.coli-derived human RYR2 recombinant protein (Position: Q1293-T1423).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-RYR2 Antibody Picoband® (ABIN7599921). Tested in ELISA, IHC, WB applications. This antibody reacts with Human. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	RYR2
Alternative Name:	RYR2 (RYR2 Products)
Background:	Synonyms: B-lymphocyte antigen CD19, Differentiation antigen CD19, CD19, Cd19 Background: Ryanodine receptor 2 (RYR2) is a protein found primarily in cardiac muscle. In humans, it is encoded by the RYR2 gene. 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.
Molecular Weight:	564 kDa
Gene ID:	6262
UniProt:	Q92736
Pathways:	Myometrial Relaxation and Contraction

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human Immunohistochemistry(Paraffin-embedded Section), 2-5 µg/mL, Human ELISA, 0.1-0.5 µg/mL, - 1. Benkusky, N. A., Farrell, E. F., Valdivia, H. H. Ryanodine receptor channelopathies. Biochem. Biophys. Res. Commun. 322: 1280-1285, 2004. 2. Bhuiyan, Z. A., van den Berg, M. P., van Tintelen, J. P., Bink-Boelkens, M. T. E., Wiesfeld, A. C. P., Alders, M., Postma, A. V., van Langen, I., Mannens, M. M. A. M., Wilde, A. A. M. Expanding spectrum of human RYR2-related disease: new electrocardiographic, structural, and genetic features. Circulation 116: 1569-1576, 2007. 3. George, C. H., Higgs, G. V., Lai, F. A. Ryanodine receptor mutations associated with stress-induced ventricular tachycardia mediate increased calcium release in stimulated cardiomyocytes. Circ. Res. 93: 531-540, 2003.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Handling

Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.