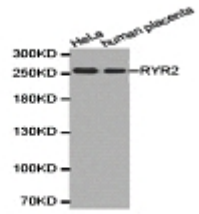
RYR2Polyclonal Antibody

E90298

Catalog Number: E90298
Amount: 100ul
Background: RYR2 belongs to the ryanodine receptor family. RYR2 provides communication between transverse-tubules and sarcoplasmic reticulum. Contraction of cardiac muscle is triggered by release of calcium ions from SR following depolarization of T-tubules. Defects in RYR2 are the cause of familial arrhythmogenic right ventricular dysplasia type 2 (ARVD2) which known as arrhythmogenic right ventricular cardiomyopathy 2 (ARVC2). Defects in RYR2 are the cause of catecholaminergic polymorphic ventricular tachycardia type 1 (CPVT1) which known as stress-induced polymorphic ventricular tachycardia (VTSIP). 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]
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: ARVC2; ARVD2; VTSIP;RYR2
Immunogen: A synthetic peptide of human RYR2
Purification: Affinity purification
Reactivity: H M R
Applications: WB
Molecular Weight: 565kDa
Swiss-Prot No. : Q92736
Gene ID: 6262

For Research Use Only

WB 1:500 - 1:1000



Western blot analysis of HeLa cell and human placenta cell lysate using RYR2 antibody.

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