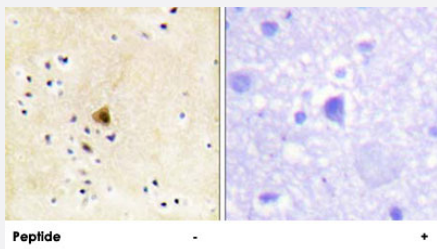


RYR2 polyclonal antibody

Catalog # PAB17291 Size 100 ug

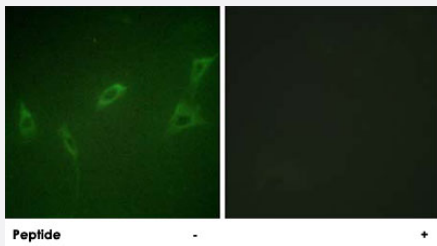
Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using RYR2 polyclonal antibody (Cat # PAB17291).

Peptide "+" means "with peptide blocking".



Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using RYR2 polyclonal antibody (Cat # PAB17291).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of RYR2.
Immunogen	A synthetic peptide corresponding to internal of human RYR2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total RYR2 protein.
Form	Liquid

Recommend Usage	Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:5000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry analysis of paraffin-embedded human brain tissue using RYR2 polyclonal antibody (Cat # PAB17291).
Peptide "+" means "with peptide blocking".

- Immunofluorescence

Immunofluorescence analysis of NIH/3T3 cells, using RYR2 polyclonal antibody (Cat # PAB17291).
Peptide "+" means "with peptide blocking".

Gene Info — RYR2

Entrez GeneID	6262
Protein Accession#	Q92736
Gene Name	RYR2
Gene Alias	ARVC2, ARVD2, VTSIP
Gene Description	ryanodine receptor 2 (cardiac)
Omim ID	180902 600996 604772
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	cardiac muscle ryanodine receptor cardiac muscle ryanodine receptor-calcium release channel

Publication Reference

- [Identification of mutations in the cardiac ryanodine receptor gene in families affected with arrhythmogenic right ventricular cardiomyopathy type 2 \(ARVD2\).](#)

Tiso N, Stephan DA, Nava A, Bagattin A, Devaney JM, Stanchi F, Larderet G, Brahmbhatt B, Brown K, Baucé B, Muriago M, Basso C, Thiene G, Danieli GA, Rampazzo A.

Human Molecular Genetics 2001 Feb; 10(3):189.

- [The human cardiac muscle ryanodine receptor-calcium release channel: identification, primary structure and topological analysis.](#)

Tunwell RE, Wickenden C, Bertrand BM, Shevchenko VI, Walsh MB, Allen PD, Lai FA.

The Biochemical Journal 1996 Sep; 318 (Pt 2)(Pt 2):477.

Application: C-ELISA, WB-Ti, Human, Rabbit, Cardiac muscles

Pathway

- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Calcium signaling pathway](#)
- [Cardiac muscle contraction](#)
- [Hypertrophic cardiomyopathy \(HCM\)](#)

Disease

- [Arrhythmias](#)
- [Arrhythmogenic Right Ventricular Dysplasia](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Death](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Hyperparathyroidism](#)
- [Kidney Failure](#)
- [Long QT syndrome](#)
- [Multiple Sclerosis](#)
- [Syncope](#)
- [Tachycardia](#)
- [Tobacco Use Disorder](#)
- [Ventricular Fibrillation](#)