

Rabbit anti-Human RYR2 Polyclonal Antibody | anti-RYR2 antibody

RYR2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA231592	Rabbit	Human	Immunofluorescence, Immunohistochemistry, ELISA

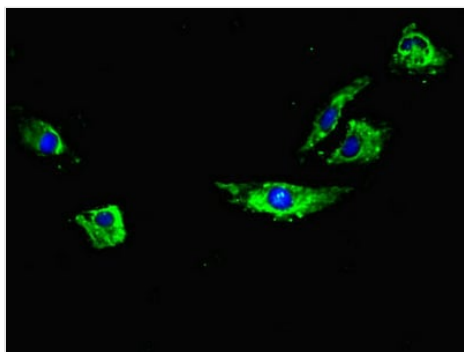
PRODUCT SYNONYMS

RYR2; Polyclonal Antibody; RYR2 Antibody; Ryanodine receptor 2RYR-2RyR2hRYR-2; Cardiac muscle ryanodine receptor; Cardiac muscle ryanodine receptor-calcium release channel; Type 2 ryanodine recept; anti-RYR2 antibody

PRODUCT SPECIFICATIONS

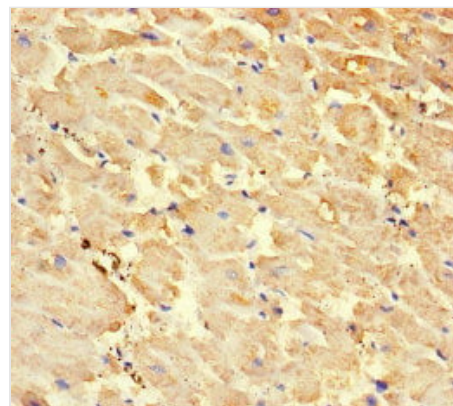
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	>95%, Protein G purified
Form/Format	Liquid
Sequence Length	4967
Applicable Applications for anti-RYR2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Species	Human
Immunogen	Recombinant human Ryanodine receptor 2 protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



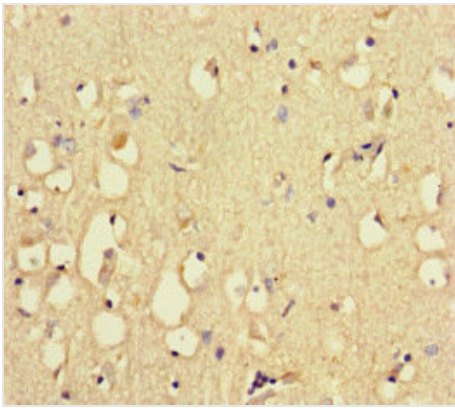
IHC (Immunohistochemistry)

Immunofluorescent analysis of HeLa cells using AAA231592 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human heart tissue using AAA231592 at dilution of 1:100



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded human brain tissue using AAA231592 at dilution of 1:100

ADDITIONAL INFORMATION

Related Product Information for anti-RYR2 antibody	Calcium channel that mediates the release of Ca(2+) 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(2+) 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	112799847
NCBI GeneID	6262
NCBI Accession #	NP_001026.2
NCBI GenBank Nucleotide #	NM_001035.2
UniProt Accession #	Q92736; Q15411; Q546N8; Q5T3P2
Molecular Weight	565,411 Da
NCBI Official Full Name	ryanodine receptor 2
NCBI Official Synonym Full Names	ryanodine receptor 2
NCBI Official Symbol	RYR2
NCBI Official Synonym Symbols	RyR; ARVC2; ARVD2; RYR-2; VTSIP
NCBI Protein Information	ryanodine receptor 2
UniProt Protein Name	Ryanodine receptor 2
UniProt Gene Name	RYR2
UniProt Synonym Gene Names	RYR-2; RyR2; hRYR-2
UniProt Entry Name	RYR2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.