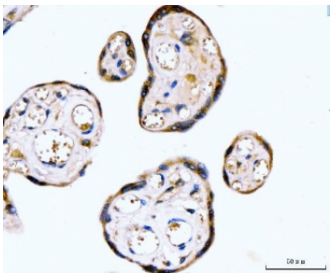
RYR2 Antibody / Ryanodine receptor 2 (RQ6801)

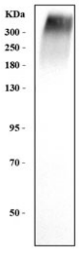
Catalog No.	Formulation	Size
RQ6801	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q92736
Applications	Western blot: 1-2ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This RYR2 antibody is available for research use only.



IHC staining of FFPE human placental tissue with RYR2 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human placental tissue lysate with RYR2 antibody. Predicted molecular weight ~565 kDa.

Description

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.

Application Notes

Optimal dilution of the RYR2 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids Q1293-T1423) was used as the immunogen for the RYR2 antibody.

Storage

After reconstitution, the RYR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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