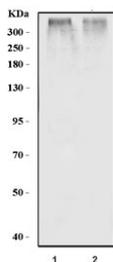


## Ryanodine receptor 2 Antibody / RYR2 (RQ6802)

Catalog No.	Formulation	Size
RQ6802	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity purified
<b>Buffer</b>	Lyophilized from 1X PBS with 2% Trehalose
<b>UniProt</b>	Q92736
<b>Applications</b>	Western Blot : 1-2ug/ml Direct ELISA : 0.1-0.5ug/ml
<b>Limitations</b>	This Ryanodine receptor 2 antibody is available for research use only.



Western blot testing of 1) rat heart and 2) mouse heart 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 Ryanodine receptor 2 antibody should be determined by the researcher.

## Immunogen

Recombinant human protein (amino acids R3506-D3540) was used as the immunogen for the Ryanodine receptor 2 antibody.

## Storage

After reconstitution, the Ryanodine receptor 2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.