

For Research Use Only

# RyR1 Monoclonal antibody, PBS Only



Catalog Number: 66539-1-PBS

## Basic Information

Catalog Number:

66539-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG25120

GenBank Accession Number:

NM\_000540

GeneID (NCBI):

6261

Full Name:

ryanodine receptor 1 (skeletal)

Calculated MW:

565 kDa

Purification Method:

Protein A purification

CloneNo.:

1B4E12

## Applications

Tested Applications:

IHC, Indirect ELISA

Species Specificity:

Human, Mouse

## Background Information

Ryanodine receptor isoform-1 (RyR1) is a major calcium channel in skeletal muscle important for excitation-contraction coupling. The transmembrane region of RyR1 is comprised of two domains including the pseudo voltage sensor domain and the pore-forming domain (PMID: 27855725). Dominant RyR1 mutations are the leading cause of MH. Studies on the Ca<sup>2+</sup> conducting properties of RyR1 channels containing Malignant hyperthermia mutations expressed in myotubes.

## Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS Only

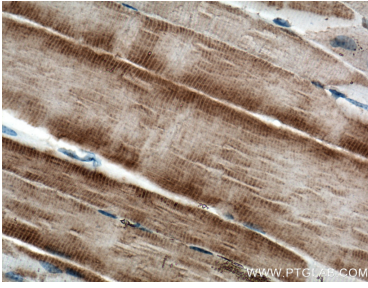
For technical support and original validation data for this product please contact:

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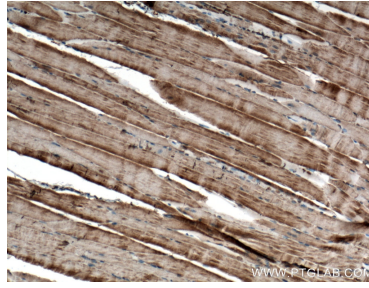
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66539-1-Ig (RYR1 antibody) at dilution of 1:200 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66539-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 66539-1-Ig (RYR1 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66539-1-PBS in a different storage buffer formulation.