# RYR1 Rabbit pAb

**Catalog NO.: A23056**

## Basic Information

### Observed MW
565kDa

### Calculated MW
565kDa

### Category
Polyclonal Antibodies

### Applications
WB, ELISA

### Cross-Reactivity
Mouse

### Conjugation
Unconjugated

## Background

This gene encodes a ryanodine receptor found in skeletal muscle. The encoded protein functions as a calcium release channel in the sarcoplasmic reticulum but also serves to connect the sarcoplasmic reticulum and transverse tubule. Mutations in this gene are associated with malignant hyperthermia susceptibility, central core disease, and minicore myopathy with external ophthalmoplegia. Alternatively spliced transcripts encoding different isoforms have been described.

## Recommended Dilutions

| | |
|---|---|
| **WB** | 1:1000 - 1:5000 |

### ELISA
Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID
6261

### Swiss Prot
P21817

### Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms
CCO; KDS; MHS; RYR; MHS1; RYDR; SKRR; RYR-1; CMYP1A; CMYP1B; PPP1R137; RYR1

## Contact

## Product Information

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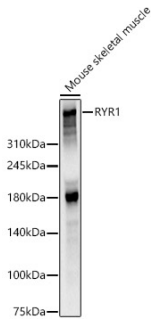
**Source**
Rabbit

**Isotype**
IgG

**Purification**
Affinity purification

**Storage**
Store at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data




Western blot analysis of lysates from Mouse skeletal muscle, using RYR1 Rabbit pAb (A23056) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 30s.

For research use only. Not for therapeutic or diagnostic purposes.

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