

## Anti-RYR3(Ryanodine receptor 3) Polyclonal Antibody

Cat. #: 60B514

### Description:

RYR3 (Ryanodine receptor 3) communicates between transverse-tubules and sarcoplasmic reticulum. Ryanodine is an alkaloid that binds to the Ca-release channel in junctional SR and modulates its activity. Contraction of skeletal muscle is triggered by release of calcium ions from SR following depolarization of T-tubules. The calcium release channel activity resides in the C-terminal region of RYR1 while the remaining part of the protein constitutes the 'foot' structure spanning the junctional gap between the SR and the T-tubule. It is possible that the foot structure interacts with the cytoplasmic region of the dihydropyridine receptor.

### Immunogen/Specificity:

Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of human RYR3 (Ryanodine receptor 3)

### References

Nakashima, Y., et al, FEBS Lett. 417 (1), 157-162 (1997)  
Martin, C., et al, Neuroscience 85 (1), 205-216 (1998)  
Hakamata, Y., et al, FEBS Lett. 352 (2), 206-210 (1994)  
Sorrentino, V., et al, Genomics 18 (1), 163-165 (1993)  
Lynn, S., et al, FEBS Lett. 372 (1), 6-12 (1995)

Clone Number:

Isotype:

Species: Human

Storage and Stability: at -20°C

### Storage buffer:

This antibody is stored in PBS, 0.01% sodium azide and 50% glycerol.

### Preparation:

Purified by antigen-specific affinity chromatography.

### Applications :

ELISA

Western Blotting (1 µg/ml for 2hrs)