

## Rabbit anti-Human, Dog RYR2 Polyclonal Antibody | anti-RYR2 antibody

Phospho-RYR2(Ser2814) Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA321288 | Rabbit | Human, Dog | Immunohistochemistry, Western Blot |

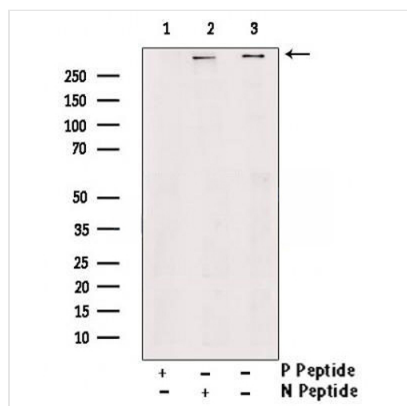
### PRODUCT SYNONYMS

RYR2; Polyclonal Antibody; Phospho-RYR2(Ser2814) Antibody; ARVC2; ARVD2; Cardiac muscle ryanodine receptor; Cardiac muscle ryanodine receptor-calcium release channel; hRYR-2; ryanodine receptor 2 (cardiac); Ryanodine receptor 2; RyR; RYR-2; RyR2; RYR2\_HUMAN; Type 2 ryanodine receptor; VTSIP; anti-RYR2 antibody

### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                          |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                   |
| Reactivity                                     | Human, Dog                                                                                                                                               |
| Clonality                                      | Polyclonal                                                                                                                                               |
| Isotype                                        | IgG                                                                                                                                                      |
| Specificity                                    | Phospho-RYR2 (Ser2814) Ab detects endogenous levels of RYR2 only when phosphorylated at Ser2814                                                          |
| Purity/Purification                            | The Ab is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns. |
| Form/Format                                    | Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                      |
| Concentration                                  | ~1mg/ml (varies by lot)                                                                                                                                  |
| Sequence Length                                | 4967                                                                                                                                                     |
| Applicable Applications for anti-RYR2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                            |
| Immunogen                                      | A synthesized peptide derived from human RYR2 around the phosphorylationsite of Ser2814.                                                                 |
| Preparation and Storage                        | Store at -20 degree C. Stable for 12 months from date of receipt.                                                                                        |

### IMAGES



#### WB (Western Blot)

Western blot analysis of extracts from A431 cells, using Phospho-RYR2( Ser2814) Antibody.

Lane1 was treated with phospho-blocking peptide, Lane2 was treated with non-phospho-blocking peptide.

NCBI AND UNIPROT INFORMATION

|                                  |                                 |
|----------------------------------|---------------------------------|
| NCBI GI #                        | 112799847                       |
| NCBI GeneID                      | 6262                            |
| NCBI Accession #                 | NP_001026.2                     |
| NCBI GenBank Nucleotide #        | NM_001035.2                     |
| UniProt Accession #              | Q92736; Q15411; Q546N8; Q5T3P2  |
| Molecular Weight                 | 564kDa                          |
| NCBI Official Full Name          | ryanodine receptor 2            |
| NCBI Official Synonym Full Names | ryanodine receptor 2            |
| NCBI Official Symbol             | RYR2                            |
| NCBI Official Synonym Symbols    | RyR; ARVC2; ARVD2; RYR-2; VTSIP |
| NCBI Protein Information         | ryanodine receptor 2            |
| UniProt Protein Name             | Ryanodine receptor 2            |
| UniProt Gene Name                | <b>RYR2</b>                     |
| UniProt Synonym Gene Names       | RYR-2; RyR2; hRYR-2             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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