

# Product Datasheet

## Ryanodine Receptor 1 Antibody 46140002-0.1mg

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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**46140002-0.1mg****Ryanodine Receptor 1 Antibody**

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	20 mM Potassium Phosphate (pH 7.0), 0.15 M NaCl

<b>Product Description</b>	
<b>Host</b>	Rabbit
<b>Gene ID</b>	6261
<b>Gene Symbol</b>	RYR1
<b>Species</b>	Human
<b>Reactivity Notes</b>	Human.
<b>Specificity/Sensitivity</b>	This product is specific for Human RYR1.
<b>Immunogen</b>	This antibody is specific for the C Terminus Region of the target protein.
<b>Notes</b>	Manufactured by SDIX's proprietary Genomic Antibody Technology <sup>®</sup> ; GAT <a href="#">FAQs</a> .

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, ELISA, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot, ELISA 1:100-1:2000, Immunoprecipitation
<b>Application Notes</b>	Use in immunoprecipitation reported in scientific literature (PMID: 28228260).

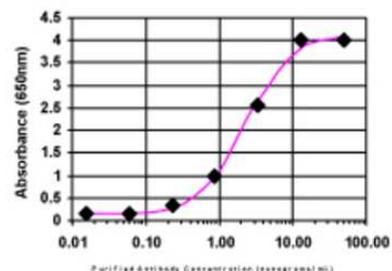
## Images

Western Blot: Ryanodine Receptor 1 Antibody [46140002] - Human breast cancer cell MDA-MB-231 was treated with carboplatin for 72 hours and the expression of RyR1 was detected by Western blot. Image from verified customer review.



ELISA: Ryanodine Receptor 1 Antibody [46140002]

ELISA:



The affinity purified antibody was serially diluted onto an ELISA plate coated with a recombinant protein fragment.

## Publications

Lu H, Chen I, Shimoda LA et al. Chemotherapy-Induced Ca<sup>2+</sup> Release Stimulates Breast Cancer Stem Cell Enrichment Cell Rep. 2017-02-21 [PMID: 28228260] (WB, IP, Human)

Details:  
The positive impact of HIF inhibitors on breast cancer chemotherapy is explored through GSTO1 knockdown.

Garrison C, Lastwika K, Zhang Y et al. Proteomic Analysis, Immune Dysregulation, and Pathway Interconnections With Obesity J Proteome Res. 2017-01-06 [PMID: 27769113] (MiAr)

Details:  
Analysis is performed on plasma proteomic data to identify how obesity can alter pathways and to highlight the risk factor for disease in subjects with a high body mass index.

Rho JH, Lampe PD. High-throughput screening for native autoantigen-autoantibody complexes using antibody microarrays J Proteome Res. 2013-05-03 [PMID: 23541305] (MiAr)

Details:  
A novel method using antibody microarrays is used to detect autoantibody-antigen complexes that can potentially be useful for detection and characterization of diseases.



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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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