

# Product Datasheet

## Ryanodine Receptor 1 Antibody (C3-33) - BSA Free NB120-2827

Unit Size: 100 ug

Store at -20C. Avoid freeze-thaw cycles.

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**NB120-2827****Ryanodine Receptor 1 Antibody (C3-33) - BSA Free**

<b>Product Information</b>	
<b>Unit Size</b>	100 ug
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	C3-33
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein G purified
<b>Buffer</b>	PBS

<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse Ryanodine Receptor 1 Antibody (C3-33) - BSA Free (NB120-2827) is a monoclonal antibody validated for use in IHC, WB, Flow, ICC/IF and IP. Anti-Ryanodine Receptor 1 Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	6261
<b>Gene Symbol</b>	RYR1
<b>Species</b>	Human, Mouse, Rat, Porcine, Amphibian, Bovine, Canine, Chicken, Fish, Guinea Pig, Rabbit
<b>Reactivity Notes</b>	Porcine reactivity reported in scientific literature (PMID: 12456488). Bovine (PMID: 15896674).
<b>Specificity/Sensitivity</b>	Detects ryanodine receptor 2 (RyR 2) and weakly detects RyR 1.
<b>Immunogen</b>	Canine cardiac ryanodine receptor (RyR2)

<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1 ug/ml, Flow Cytometry 1:10 - 1:1000, Immunohistochemistry 1 ug/ml, Immunocytochemistry/ Immunofluorescence 1:50, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1 ug/ml, Immunohistochemistry-Frozen 1 ug/ml
<b>Application Notes</b>	WB: Detects an approx. 565 kDa protein representing the ryanodine receptor. In non-mammalian vertebrates, a doublet is seen at 565 kDa representing the alpha and beta isoforms of the receptor. IHC: Staining of RyR in rat cardiac tissue results in intense staining of the myofiber, which is consistent with sarcoplasmic reticulum localization.

## Publications

Huang JP, Cheng ML, Wang CH, Huang SS et Al. Therapeutic potential of cPLA2 inhibitor to counteract dilated-cardiomyopathy in cholesterol-treated H9C2 cardiomyocyte and MUNO rat Pharmacol Res 2020-09-17 [PMID: 32942017]

Yang Y, Valencia LA, Lu CH et Al. Plasma membrane curvature regulates the formation of contacts with the endoplasmic reticulum Nat Cell Biol 2024-09-17 [PMID: 39289582]

Huang JP, Cheng ML, Wang CH et al. High-fructose and high-fat feeding correspondingly lead to the development of lysoPC-associated apoptotic cardiomyopathy and adrenergic signaling-related cardiac hypertrophy. Int. J. Cardiol. 2016-04-13 [PMID: 27107546] (WB, Rat)





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### **Products Related to NB120-2827**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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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