

# Product Datasheet

## **RYR3 Antibody** **NBP2-76962**

Unit Size: 100 ul

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

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**NBP2-76962****RYR3 Antibody****Product Information**

<b>Unit Size</b>	100 ul
<b>Concentration</b>	1 mg/ml
<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>	0.05% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	PBS (pH7.4), 0.2% BSA, 50% Glycerol
<b>Target Molecular Weight</b>	552 kDa

**Product Description**

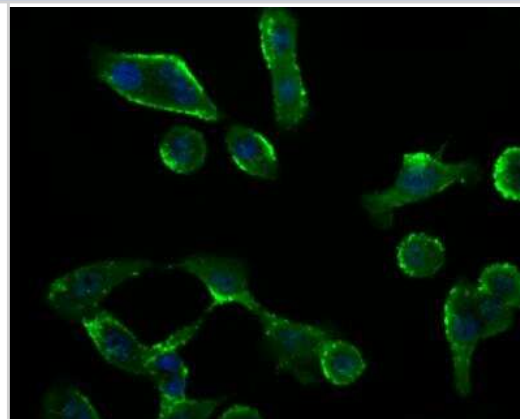
<b>Host</b>	Rabbit
<b>Gene ID</b>	6263
<b>Gene Symbol</b>	RYR3
<b>Species</b>	Human, Mouse, Rat
<b>Immunogen</b>	Recombinant protein within Human RYR3 aa 1-140 / 4,870. (SwissProt: Q15413 Human; SwissProt: Q14AQ9 Mouse; Entrez Gene: 170546 Rat)

**Product Application Details**

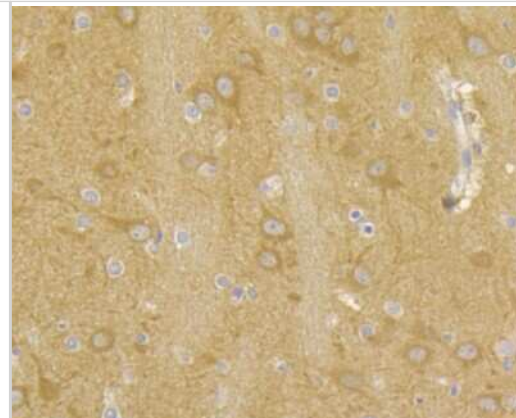
<b>Applications</b>	Dot Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	ELISA 1:5000-1:10000, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1:100, Immunohistochemistry-Paraffin 1:50-1:200, Dot Blot 1:2000-1:20000

**Images**

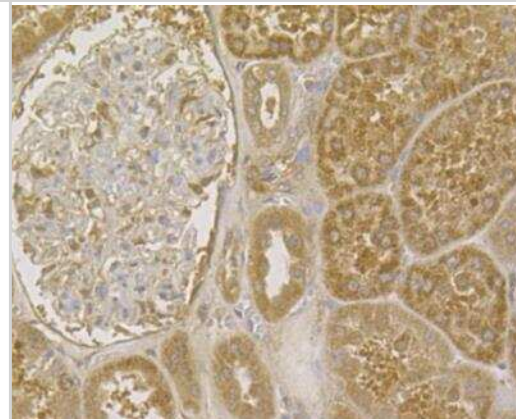
Immunocytochemistry/Immunofluorescence: RYR3 Antibody [NBP2-76962] - ICC staining RYR3 in Lovo cells (green). Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA for 15 minutes at room temperature. Cells were probed with the antibody at a dilution of 1:200 for 1 hour at room temperature, washed with PBS. Alexa Fluor 488 Goat anti-Rabbit IgG was used as the secondary antibody at 1/100 dilution. The nuclear counter stain is DAPI (blue).



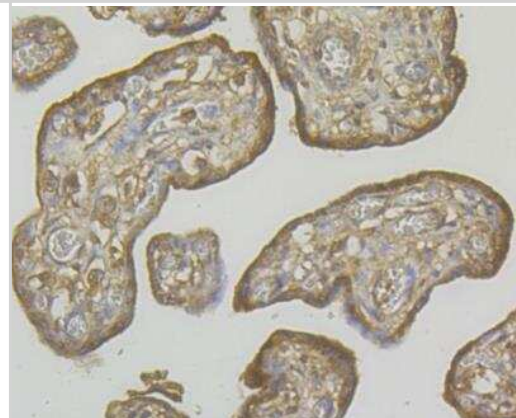
**Immunohistochemistry-Paraffin: RYR3 Antibody [NBP2-76962] -**  
 Immunohistochemical analysis of paraffin-embedded rat brain tissue using anti-RYR3 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/50 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



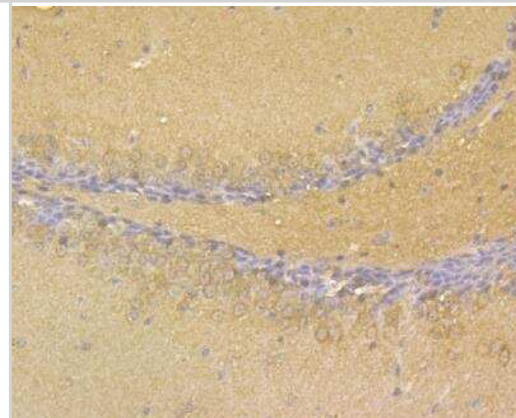
**Immunohistochemistry: RYR3 Antibody [NBP2-76962] -**  
 Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-RYR3 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



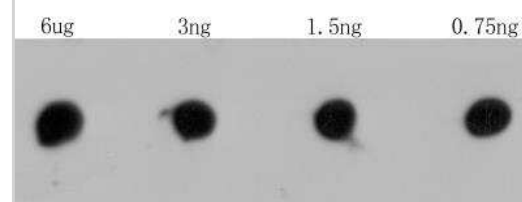
**Immunohistochemistry: RYR3 Antibody [NBP2-76962] -**  
 Immunohistochemical analysis of paraffin-embedded human placenta tissue using anti-RYR3 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/200 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



**Immunohistochemistry: RYR3 Antibody [NBP2-76962] -**  
 Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-RYR3 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with the antibody at 1/50 dilution, for 30 minutes at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. Counter stained with hematoxylin and mounted with DPX.



Dot Blot: RYR3 Antibody [NBP2-76962] - Dot blot analysis of RYR3 on RYR3 recombinant protein. The primary antibody was used at a 1:2,000 dilution in 5% BSA at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody (HA1001) at 1:5,000 dilution was used for 1 hour at room temperature.



## Publications

Liang D, Xue J, Geng L, et al. Cellular and molecular landscape of mammalian sinoatrial node revealed by single-cell RNA sequencing Nature communications 2021-01-12 [PMID: 33436583] (IHC-P, Mouse)



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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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