

Product Datasheet

Ryanodine Receptor 2 Antibody - BSA Free NBP1-90091

Unit Size: 0.1 ml

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

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Publications: 1

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NBP1-90091

Ryanodine Receptor 2 Antibody - BSA Free

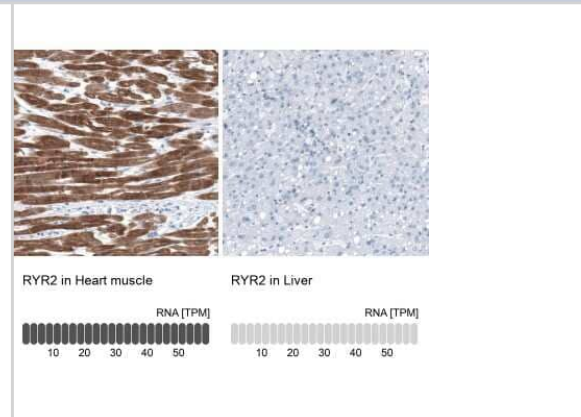
Product Information	
Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description	
Host	Rabbit
Gene ID	6262
Gene Symbol	RYR2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 30483051).
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: QDEVRGDGEGERKPLEAALPSEDLTKELTEESDLLSDIFGLDLKREGGQY KLIPHNPAGLSDLMSNPVPMPEVQEKFQEQKAKEEEKEEKEETKSEPE

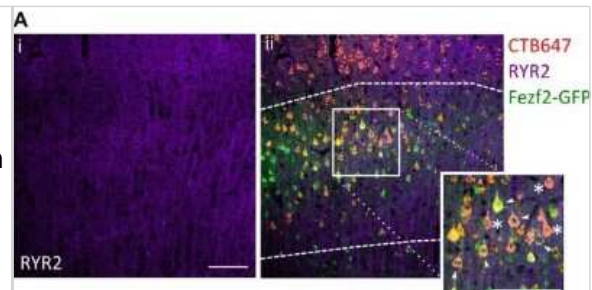
Product Application Details	
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunohistochemistry Free-Floating
Recommended Dilutions	Immunohistochemistry 1:500 - 1:1000, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:500 - 1:1000, Immunohistochemistry Free-Floating Reported in scientific literature (PMID:30483051).
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

Images

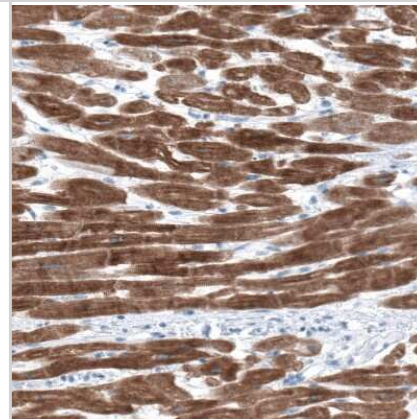
Immunohistochemistry-Paraffin: Ryanodine Receptor 2 Antibody [NBP1-90091] - Analysis in human heart muscle and liver tissues. Corresponding RYR2 RNA-seq data are presented for the same tissues.



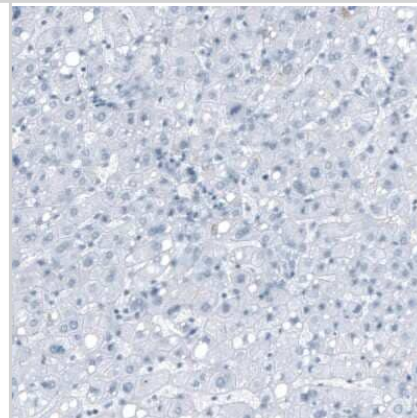
Immunocytochemistry/Immunofluorescence: Ryanodine Receptor 2 Antibody [NBP1-90091] - Validation of enriched RYR2 expression in Fezf2+ve IT-PNs by immunohistochemistry. Coronal sections from CTB647 injected Fezf2-Gfp mouse were labeled for Ryanodine receptor 2 (RYR2) expression and images captured in M1. (i) RYR2 expression in M1. (ii) Image shows co-expression of RYR2 (purple) with Fezf2+ve IT-PNs (green and red; arrowhead) and Fezf2-ve IT-PNs (red; asterisk). Dashed lines indicate layer 5 from which cells were selected for quantification. Scale bar is 100 um. Image collected and cropped by CiteAb from the following publication (<https://www.frontiersin.org/article/10.3389/fnmol.2018.00410/full>), licensed under a CC-BY license.



Immunohistochemistry-Paraffin: Ryanodine Receptor 2 Antibody [NBP1-90091] - Staining of human heart muscle shows moderate to strong cytoplasmic positivity in cardiomyocytes.



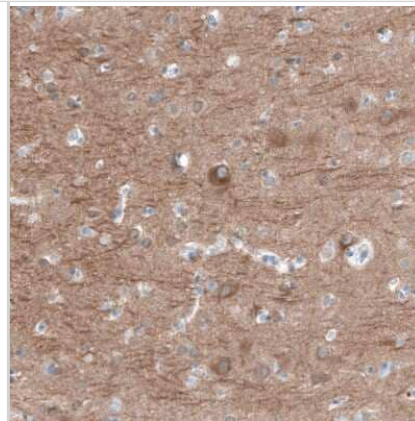
Immunohistochemistry-Paraffin: Ryanodine Receptor 2 Antibody [NBP1-90091] - Staining of human liver shows no positivity in hepatocytes as expected.



Immunohistochemistry-Paraffin: Ryanodine Receptor 2 Antibody [NBP1-90091] - Staining of human skeletal muscle shows no positivity in myocytes as expected.



Immunohistochemistry-Paraffin: Ryanodine Receptor 2 Antibody [NBP1-90091] - Staining of human cerebral cortex shows moderate cytoplasmic positivity in neurons.



Publications

Clare AJ, Day RC, Empson RM, Hughes SM Transcriptome Profiling of Layer 5 Intratelencephalic Projection Neurons From the Mature Mouse Motor Cortex Front Mol Neurosci. 2018-11-11 [PMID: 30483051] (IHC-FrFI, Mouse)



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Products Related to NBP1-90091

NBP1-90091PEP	Ryanodine Receptor 2 Recombinant Protein Antigen
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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