# **Product Datasheet**

## **RBFOX3/NeuN Antibody (1B7)** [Alexa Fluor® 647] NBP1-92693AF647

Unit Size: 0.1 ml

Store at 4C in the dark.

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**Publications: 7** 

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#### NBP1-92693AF647

RBFOX3/NeuN Antibody (1B7) [Alexa Fluor® 647]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	1B7
Preservative	0.05% Sodium Azide
Isotype	IgG2b Kappa
Conjugate	Alexa Fluor 647
Purity	Protein G purified
Buffer	50mM Sodium Borate
Target Molecular Weight	33.8 kDa
Product Description	
Host	Mouse
Gene ID	146713
Gene Symbol	RBFOX3
Species	Human, Mouse, Rat
Reactivity Notes	Bovine, porcine, and other mammals.
Marker	Neuronal Marker
Immunogen	N-terminal 99 amino acids of human FOX3 as expressed in and purified from E. coli
Notes	Alexa Fluor (R) products are provided under an intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased product and components of the product only in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The sale of this product is expressly conditioned on the buyer not using the product or its components, or any materials made using the product or its components, in any activity to generate revenue, which may include, but is not limited to use of the product or its components: (i) in manufacturing; (ii) to provide a service, information, or data in return for payment; (iii) for therapeutic, diagnostic or prophylactic purposes; or (iv) for resale, regardless of whether they are resold for use in research. For information on purchasing a license to this product for purposes other than as described above, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or outlicensing@lifetech.com. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
<b>Product Application Details</b>	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready

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Recommended Dilutions	Western Blot, Flow Cytometry, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Immunohistochemistry- Frozen, Flow (Intracellular), CyTOF-ready
Application Notes	This RBFOX3/Neun (1B7) antibody is useful for Immunocytochemistry/Immunofluorescence and Western blot, where bands can be seen at 46 and 48 kDa. Use in IHC-frozen sections was reported in the scientific literature (PMID: 23776455).

#### Images

An intracellular stain was performed on SH-SY5Y cells with 100 RBFOXP3/NeuN (1B7) antibody NBP1-92693AF647 (blue) and a matched isotype control (orange). Cells were fixed with 4% PFA and 80 then permeablized with 0.1% saponin. Cells were incubated in an Relative Cell Number 60 antibody dilution of 2.5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647. 40 20 n 10<sup>6</sup> 104 103 105 107 0 RBFOX3/NeuN (1B7) Alexa Fluor 647 Copyright @ 2018 Novus Biologicals An intracellular stain was performed on A549 cells with RBFOXP3/NeuN (1B7) antibody NBP1-92693AF647 (blue) and a matched isotype control 400 (orange). Cells were fixed with 4% PFA and then permeablized with Relative Cell Number 000 000 000 000 0.1% saponin. Cells were incubated in an antibody dilution of 5 ug/mL for 30 minutes at room temperature. Both antibodies were conjugated to Alexa Fluor 647. 100 105 106 104 10 0 RBFOX3/NeuN (1B7) Alexa Fluor 647 Copyright @ 2018 Novus Biologicais



#### **Publications**

Gulen MF, Samson N, Keller A et al. cGAS-STING drives ageing-related inflammation and neurodegeneration Nature 2023-08-01 [PMID: 37532932] (Mouse)

Details: scRNA-seq

Astrid Wachter, Maya E. Woodbury, Sylvia Lombardo, Aicha Abdourahman, Carolin Wuest, Emily McGlame, Timothy Pastika, Joseph Tamm, Nandini Romanul, Kiran Yanamandra, Rachel Bennett, Gen Lin, Taekyung Kwon, Fan Liao, Corinna Klein, Yelena Grinberg, Methasit Jaisa-aad, Huan Li, Matthew. P. Frosch, Markus P. Kummer, Sudeshna Das, Tammy Dellovade, Eric H. Karran, Xavier Langlois, Janina S. Ried, Alberto Serrano-Pozo, Robert V. Talanian, Knut Biber, Bradley T. Hyman Landscape of brain myeloid cell transcriptome along the spatiotemporal progression of Alzheimer's disease reveals distinct sequential responses to Aβ and tau Acta Neuropathologica 2024-04-01 [PMID: 38557897]

Gerrits E, Brouwer N, Kooistra SM et al. Distinct amyloid-beta and tau-associated microglia profiles in Alzheimer\'s disease Acta neuropathologica 2021-02-20 [PMID: 33609158]

Bryant A, Li Z, Jayakumar R et al. Endothelial Cells Are Heterogeneous in Different Brain Regions and Are Dramatically Altered in Alzheimer's Disease The Journal of Neuroscience 2023-06-14 [PMID: 37208174]

Bryant A, Li Z, Jayakumar R et al. Endothelial Cells are Heterogeneous in Different Brain Regions and are Dramatically Altered in Alzheimer's Disease bioRxiv : the preprint server for biology 2023-02-16 [PMID: 36824974] (ICC/IF, Human)

Gerrits E, Giannini LAA, Brouwer N Et al. Neurovascular dysfunction in GRN-associated frontotemporal dementia identified by single-nucleus RNA sequencing of human cerebral cortex Nat Neurosci 2022-07-25 [PMID: 35879464] (FLOW, Human)

Details:

Citation using the Alexa Fluor 647 version of this antibody.

Puvogel S, Alsema A, Kracht L et al. Single-nucleus RNA sequencing of the midbrain blood-brain barrier cells in schizophrenia reveals subtle transcriptional changes with overall preservation of cellular proportions and phenotypes Research Square 2022-06-23 [PMID: 36192459] (FLOW, Human)





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#### Products Related to NBP1-92693AF647

NBP1-43317AF647Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Alexa Fluor®<br/>647]NBP1-92693AF700RBFOX3/NeuN Antibody (1B7) [Alexa Fluor® 700]NBP1-77686PEPRBFOX3/NeuN Antibody Blocking PeptideDBD00BDNF [HRP]

#### 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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