

Product Datasheet

RBFOX3/NeuN Antibody (1B7) [Alexa Fluor® 405] NBP1-92693AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP1-92693AF405

RBFOX3/NeuN Antibody (1B7) [Alexa Fluor® 405]

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 405
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.

Product Application Details	
Applications	Western Blot, Flow Cytometry, Flow (Intracellular), Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin, CyTOF-ready



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).

Publications

Matchynski J, Cilley T, Sadik N et al. Quantification of prefrontal cortical neuronal ensembles following conditioned fear learning in a Fos-LacZ transgenic rat with photoacoustic imaging in Vivo Photoacoustics 2023-10-01 (Immunohistochemistry, Rat)

Patrick B. Chen, Rachel Chen, Nathan LaPierre, Zeyuan Chen, Joel Mefford, Emilie Marcus, Matthew G. Heffel, Daniela C. Soto, Jason Ernst, Chongyuan Luo, Jonathan Flint Complementation testing identifies genes mediating effects at quantitative trait loci underlying fear-related behavior Cell Genomics 2024-05-01 [PMID: 38697120]

Jonathan Flint, Matthew G. Heffel, Zeyuan Chen, Joel Mefford, Emilie Marcus, Patrick B. Chen, Jason Ernst, Chongyuan Luo Single-cell methylation analysis of brain tissue prioritizes mutations that alter transcription Cell Genomics 2023-12-04 [PMID: 38116123]

Hongyi R. Li, Manwal Harb, John E. Heath, James S. Trippett, Mikhail G. Shapiro, Jerzy O. Szablowski Engineering viral vectors for acoustically targeted gene delivery Nature Communications 2024-06-10 [PMID: 38858354]

Kim S, Sohn S, Choe ES. Phosphorylation of GluA1-Ser831 by CaMKII Activation in the Caudate and Putamen Is Required for Behavioral Sensitization After Challenge Nicotine in Rats International Journal of Neuropsychopharmacology 2022-08-16 [PMID: 35678163]

Yun H, Park ES, Choi S et al TDAG51 is a crucial regulator of maternal care and depressive-like behavior after parturition. PLoS Genet. 2019-06-28 [PMID: 31251738] (IF/IHC, Mouse)

Details:

Citation using the Alexa Fluor 405 version of this antibody.





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Products Related to NBP1-92693AF405

NBP1-43317AF405	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b) [Alexa Fluor® 405]
NBP1-92693AF700	RBFOX3/NeuN Antibody (1B7) [Alexa Fluor® 700]
NBP1-77686PEP	RBFOX3/NeuN Antibody Blocking Peptide
DBD00	BDNF [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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