

Anti-FOX3/NeuN Rbfox3 Monoclonal Antibody

Catalog Number: M11954-1

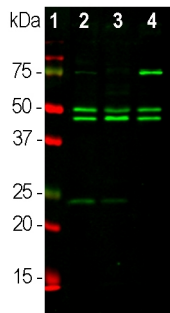
Overview

Product Name	Anti-FOX3/NeuN Rbfox3 Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-FOX3/NeuN Rbfox3 Monoclonal Antibody catalog # M11954-1. Tested in IF, IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat.
Application	IF, IHC, ICC, WB
Clonality	Monoclonal
Formulation	Purified antibody at 1mg/mL in 50% PBS, 50% glycerol plus 5mM NaN ₃
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Mouse
Uniprot ID	Q8BIF2

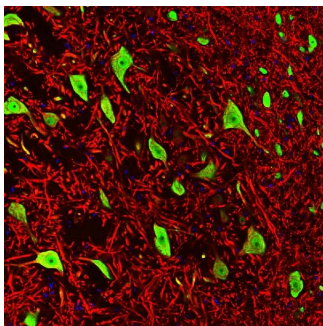
Technical Details

Immunogen	N-terminal 99 amino acids of human FOX3 expressed in and purified from E. coli
Concentration	1mg/ml
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:1,000 IF/ICC and IHC: 1:1,000-1:2,000

Anti-FOX3/NeuN Rbfox3 Monoclonal Antibody (M11954-1) Images



Western blot analysis of whole brain tissue lysates using mouse mAb to FOX3/NeuN M11954-1, dilution 1:1,000 in green: [1] protein standard (red), [2] adult rat brain, [3] embryonic E20 rat brain, [4] adult mouse brain. Note the strong twin bands corresponding to the two alternate transcripts of FOX3/NeuN protein with apparent SDS-PAGE molecular weights of 46 and 48 kDa. As with other FOX3/NeuN antibodies, an additional band at ~70 kDa is revealed in some lysates.



Immunofluorescent analysis of rat brain stem costained with mouse mAb to FOX3/NeuN M11954-1 in green, and chicken pAb to microtubule associated protein 2 (MAP2) in red. Blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, the brain was post fixed for 24 hours, cut to 45M, and free-floating sections were stained with the above antibodies. The Fox3/NeuN antibody selectively stains nuclei and the proximal cytoplasm of neuronal cells while the MAP2 antibody labels dendrites and overlaps with Fox3/NeuN staining in the perikarya of neurons.

6 Publications Citing This Product

1. PubMed ID: -, Lanfen Chen, Wei Chen, Mengbei Zhang et al. Comparison of therapeutic effects of melatonin by two different routes in focal cerebral ischemic rats. *Journal of Neurorestoratology* 2019, 07(01):47-53.
2. PubMed ID: 33692421, Manganas LN, Durá I, Osenberg S, Semerci F, Tosun M, Mishra R, Parkitny L, Encinas JM, Maletic-Savatic M. BASP1 labels neural stem cells in the neurogenic niches of mammalian brain. *Sci Rep.* 2021 Mar 10;11(1):5546. doi: 10.1038/s41598-021-85129-1. PMID: 33692421; PMCID: PMC7970918.
3. PubMed ID: -, xiangrong chen, Yile Zeng, Fan Wang et al. ADAM17 Aggravates the Inflammatory Response by Modulating Microglia Polarization Through the TGF-beta1/Smad Pathway Following Experimental Traumatic Brain Injury, 04 February 2021, PREPRINT (Version 1) available at

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