# ARG11144
# anti-FOX3 / NeuN antibody

Package: 50 µl
Store at: -20°C

## Summary

| | |
|---|---|
| Product Description | Goat Polyclonal antibody recognizes FOX3 / NeuN |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | IHC-Fr, WB |
| Host | Goat |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | FOX3 / NeuN |
| Species | Human |
| Immunogen | The N-terminal 100 amino acids of Human FOX3 / NeuN. |
| Conjugation | Un-conjugated |
| Alternate Names | RNA binding protein fox-1 homolog 3; NEUN; FOX-3; HRNBP3; Fox-1 homolog C; FOX3 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| IHC-Fr | 1:1000 - 1:5000 |
| WB | 1:1000 - 1:2000 |

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

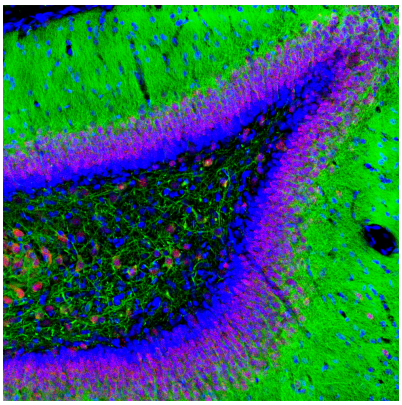
## Properties

| | |
|---|---|
| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | PBS, 5 mM Sodium azide and 50% Glycerol. |
| Preservative | 5 mM Sodium azide |
| Stabilizer | 50% Glycerol |
| Concentration | 1 mg/ml |
| Storage instruction | For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use. |
| Note | For laboratory research only, not for drug, diagnostic or other use. |

## Bioinformation

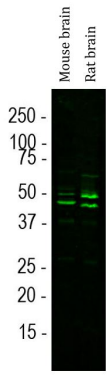
| | |
|---|---|
| Gene Symbol | RBFOX3 |
| Gene Full Name | RNA binding protein, fox-1 homolog (C. elegans) 3 |
| Background | This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, an RNA recognition motif (RRM) domain, and a C-terminal alanine-rich region. This gene produces the neuronal nuclei (NeuN) antigen that has been widely used as a marker for post-mitotic neurons. This gene has its highest expression in the central nervous system and plays a prominent role in neural tissue development and regulation of adult brain function. Mutations in this gene have been associated with numerous neurological disorders. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2017] |
| Function | Pre-mRNA alternative splicing regulator. Regulates alternative splicing of RBFOX2 to enhance the production of mRNA species that are targeted for nonsense-mediated decay (NMD). [UniProt] |
| Calculated Mw | 34 kDa |
| Cellular Localization | Nucleus. Cytoplasm. Note=Largely restricted to neuronal nuclei. However, significant cytoplasmic localization in neurons from brains from HIV-infected individuals with cognitive impairment. [UniProt] |

## Images



ARG11144 anti-FOX3 / NeuN antibody IHC-Fr image

Immunohistochemistry: Frozen section of adult rat hippocampus tissue stained with ARG11144 anti-FOX3 / NeuN antibody (red) at 1:2000 dilution, and co-stained with ARG10719 anti-MAP2 antibody [4H5] (green) at 1:2000 dilution. DAPI (blue) for nuclear staining. (Sample preparation: Following transcardial perfusion of mouse with 4% paraformaldehyde, brain was post fixed for 24 hours, cut to 45 µM, and free-floating sections were stained with the above antibodies.).




ARG11144 anti-FOX3 / NeuN antibody WB image

Western blot: Mouse brain and Rat brain lysates stained with ARG11144 anti-FOX3 / NeuN antibody at 1:1000 dilution.