

## ARG11143 anti-FOX3 / NeuN antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Chicken Polyclonal antibody recognizes FOX3 / NeuN
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-Fr
Host	Chicken
Clonality	Polyclonal
Isotype	IgY
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	1:5000 - 1:10000

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

### Properties

Form	Liquid
Buffer	PBS and 5 mM Sodium azide.
Preservative	5 mM Sodium azide
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 or below. 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

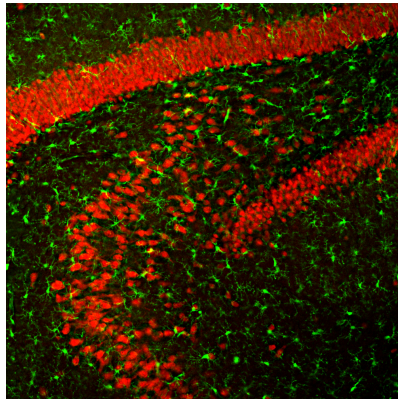
Gene Symbol	RBFOX3
Gene Full Name	RNA binding protein, fox-1 homolog (C. elegans) 3
Background	This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation

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

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ARG11143 anti-FOX3 / NeuN antibody IHC-Fr image

Immunohistochemistry: Frozen section of Rat hippocampus tissue stained with ARG11143 anti-FOX3 / NeuN antibody (red) at 1:5000 dilution, and co-stained with [ARG11062](#) anti-AIF1 / Iba 1 antibody (green) at 1:2000 dilution. (Sample preparation: Following transcardial perfusion with 4% paraformaldehyde, rat brain was post fixed for 24 hours, cut to 35  $\mu$ M, and free-floating sections were stained with the above antibodies.).