

FOX3 (NeuN) Antibody
Mouse monoclonal antibody
Catalog # AN1241**Specification**

FOX3 (NeuN) Antibody - Product Information

Application	WB, IF
Primary Accession	A6NFN3
Reactivity	Human, Mouse, Rat, Bovine
Host	Mouse
Clonality	monoclonal
Isotype	IgG2a
Calculated MW	46/48 KDa

FOX3 (NeuN) Antibody - Additional Information

Gene ID	146713
Gene Name	RBFOX3
Other Names	
RNA binding protein fox-1 homolog 3, Fox-1 homolog C, RBFOX3	

Target/Specificity

Recombinant protein taken from the N-terminus of human FOX3 expressed in and purified from E. Coli.

Dilution

WB~~ 1:2000
IF~~ 1:500

Format

Affinity purified from tissue culture supernatant. 100 µl PBS + 10 mM sodium azide.

Antibody Specificity

Specific for the ~46/48k FOX3 protein doublet.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

FOX3 (NeuN) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping

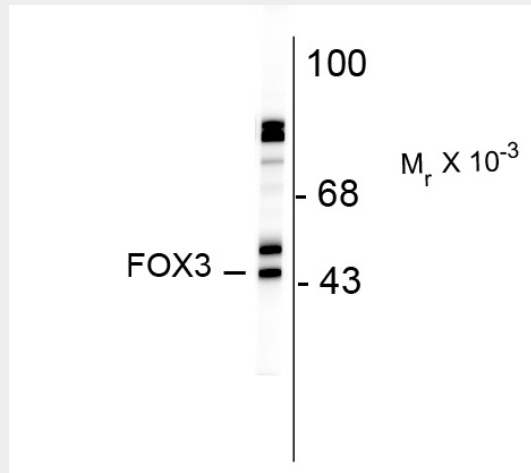
Blue Ice

FOX3 (NeuN) Antibody - Protocols

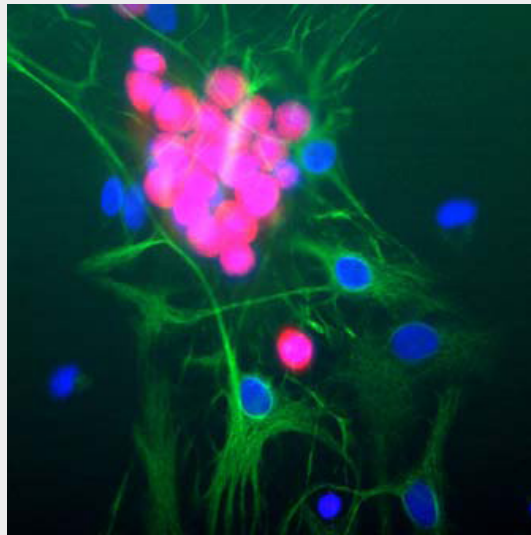
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

FOX3 (NeuN) Antibody - Images



Western blot of rat cortex lysate showing specific immunolabeling of the ~46/48k FOX3 protein.



Immunofluorescence of cultured rat neurons showing strong nuclear and distal cytoplasmic staining of FOX3 in red and the complete absence of astrocyte staining, which are stained green using our GFAP antibody.

FOX3 (NeuN) Antibody - Background

FOX3, also known as NeuN and hexaribonucleotide binding protein 3, is a neuron-specific RNA binding nuclear protein involved in the regulation of pre-mRNA alternative splicing (Kim et al., 2009). FOX3 dependent alternative splicing of Numb has recently been shown to play an important

role in the progression of neuronal differentiation during vertebrate development (Kim et al., 2013).

FOX3 (NeuN) Antibody - References

Kim KK, Adelstein RS, Kawamoto S (2009) Identification of neuronal nuclei (NeuN) as Fox-3, a new member of the Fox-1 gene family of splicing factors. *J Biol Chem.* Nov 6; 284(45):31052-61.

Kim KK, Nam J, Mukoyama YS, Kawamoto S. (2013) Rbfox3-regulated alternative splicing of Numb promotes neuronal differentiation during development. *J Cell Biol.* Feb 18;200(4):443-58