

## 34-1035: Monoclonal Antibody to Fox3/NeuN (Clone: 1B7)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	1B7
<b>Application :</b>	WB
<b>Reactivity :</b>	Human
<b>Gene :</b>	RBFOX3
<b>Gene ID :</b>	146713
<b>Uniprot ID :</b>	A6NFN3
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Fox-1 homolog C, NeuN antigen, Neuronal nuclei antigen
<b>Isotype :</b>	Mouse, IgG2a
<b>Immunogen Information :</b>	N-terminal 100 amino acids of human Fox3 as expressed in and purified from E. coli

### Product Info

<b>Amount :</b>	50 µl / 100 µl
<b>Content :</b>	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody or concentrated tissue culture supernatant.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

WB: 1:1,000 IF/ICC and IHC: 1:1,000-1:2,000

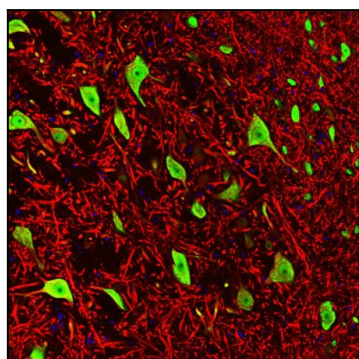


Figure-1: Immunofluorescent analysis of rat brain stem costained with mouse mAb to FOX3/NeuN (34-1035) in green, and chicken pAb to microtubule associated protein 2 (MAP2)(34-1064) in red. Blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, the brain was post fixed for 24 hours, cut to 45µm, 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.

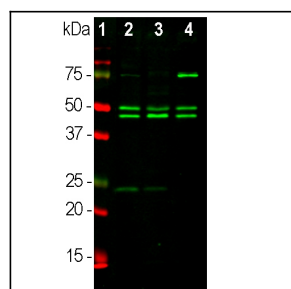


Figure-2: Western blot analysis of whole brain tissue lysates using mouse mAb to FOX3/NeuN (34-1035), dilution 1:1,000 in green: [1] protein standard (red), [2] adult rat brain, [3] embryonic E20 rat brain, [4] adult mouse brain. Note the strong twin bands corresponding to the two alternate transcripts of FOX3/NeuN protein with apparent SDS-PAGE molecular weights of 46 and 48kDa. As with other FOX3/NeuN antibodies, an additional band at ~70kDa is revealed in some lysates.