

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

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

Product Info

Amount :	50 µl / 100 µl
Content :	Antibody is supplied as an aliquot of 1 mg/ml of affinity purified antibody or concentrated tissue culture supernatant.
Storage condition :	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

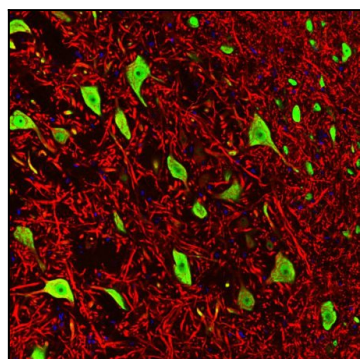


Figure-1: Immunofluorescent analysis of rat brain stem costained with mouse mAb to FOX3/NeuN (34-1035) in green, and chicken pAb to microtubule associated protein 2 (MAP2)(34-1064) in red. Blue is DAPI staining of nuclear DNA. Following transcardial perfusion with 4% paraformaldehyde, the brain was post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

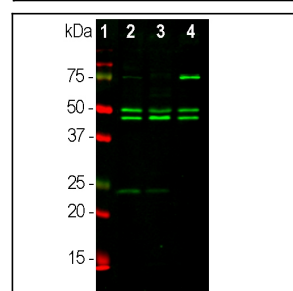


Figure-2: Western blot analysis of whole brain tissue lysates using mouse mAb to FOX3/NeuN (34-1035), dilution 1:1,000 in green: [1] protein standard (red), [2] adult rat brain, [3] embryonic E20 rat brain, [4] adult mouse brain. Note the strong twin bands corresponding to the two alternate transcripts 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.