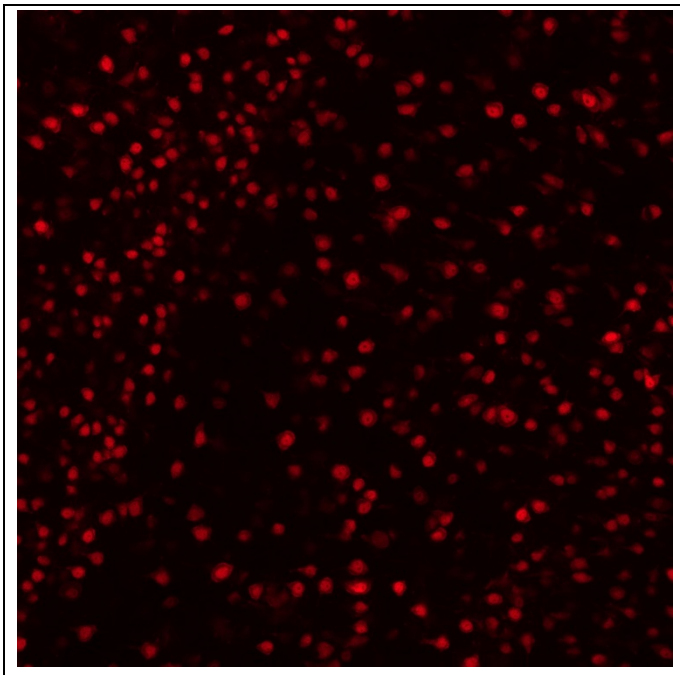
Anti-NeuN Antibody
NH-R-45-07

Product Type:	Recombinant Rabbit monoclonal IgG, primary antibodies
Species reactivity:	Human, Mouse, Rat
Applications:	IF-Tissue Clearing
Clone number:	SR45-07

Description:	Neuronal nuclei (NeuN, Fox-3, RBFOX3) is a nuclear protein expressed in most post-mitotic neurons of the central and peripheral nervous systems. NeuN is not detected in Purkinje cells, sympathetic ganglion cells, Cajal-Retzius cells, INL retinal cells, inferior olivary, and dentate nucleus neurons. This neuronal protein was originally identified by immunoreactivity with a monoclonal antibody also called NeuN. Using MS-analysis, NeuN was later identified as the Fox-3 gene product. Fox-3 contains an RNA recognition motif and functions as a splicing regulator. Fox-3 regulates alternative splicing of NumB, promoting neuronal differentiation during development
Immunogen:	Synthetic peptide within human NeuN aa 20-60.
Positive control:	Mouse brain tissue .
Subcellular location:	Cytoplasm, Nucleus
Recommended Dilutions:	
IF-Tissue Clearing	1:200
Adaptive Clearing kit	Tissue clearing kit（Hydrophilic）（Cat#:NH-CR-210701）、 Enhanced Tissue clearing kit(Cat#:NH-CR-230701)
Storage Buffer:	1*TBS(pH7.4), 0.05% BSA, 40% Glycerol. Preservative:0.05% Sodium Azide.
Storage I nstruction:	Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.
Purity:	Protein A affinity purified

Images

	Fig1: Immunofluorescence analysis of fresh mouse brain tissue labeling NeuN Recombinant Rabbit Monoclonal Antibody (NH-R-45-07) at 1/200 dilution. The section was treated with Tissue clearing kit（Hydrophilic）（NH-CR-210701）, the tissues were blocked for 2 hours at 4℃, and then probed with the primary antibody (NH-R-45-07,1/200) overnight at 4℃, washed with PBS. Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/200 dilution. Image acquisition was performed with Zeiss 980.