

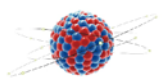
# Anti-NeuN Antibody

## NH-M-01-45

**Product Type:** Recombinant Mouse monoclonal IgG, primary antibodies  
**Species reactivity:** Human, Mouse, Rat  
**Applications:** IF-Tissue Clearing  
**Clone number:** PD01-45

|                               |   |
|-------------------------------|---|
| <b>Description:</b>           | 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 |
| <b>Immunogen:</b>             | Synthetic peptide within human NeuN aa 20-60.   |
| <b>Positive control:</b>      | Mouse brain tissue .  |
| <b>Subcellular location:</b>  | Cytoplasm, Nucleus  |
| <b>Recommended Dilutions:</b> |   |
| <b>IF-Tissue Clearing</b>     | 1:50  |
| <b>Adaptive Clearing kit</b>  | Enhanced Tissue clearing kit(Cat#:NH-CR-230701) 、 Tissue clearing kit (Hydrophilic) (Cat#:NH-CR-210701)   |
| <b>Storage Buffer:</b>        | PBS(pH7.4), 0.1% BSA, 40% Glycerol. Preservative:0.05% Sodium Azide.  |
| <b>Storage I nstruction:</b>  | Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃ . Avoid repeated freeze / thaw cycles.  |
| <b>Purity:</b>                | Protein A affinity purified   |





## Images

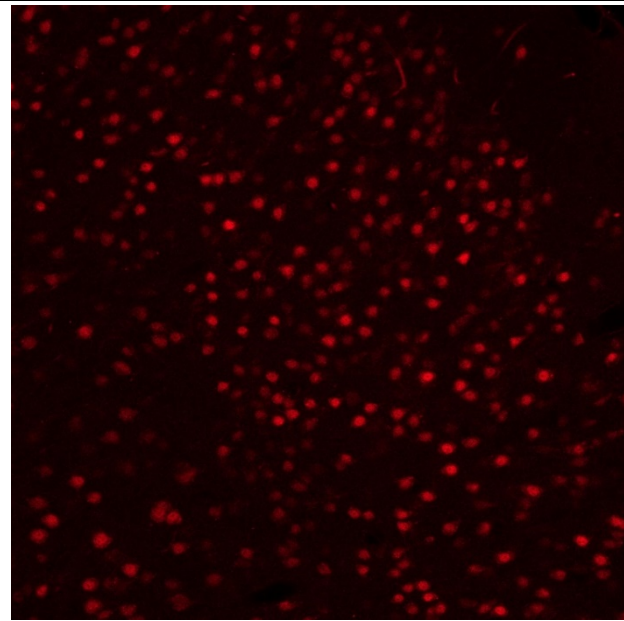


Fig1: Immunofluorescence analysis of fresh mouse brain tissue labeling NeuN Recombinant Mouse Monoclonal Antibody (NH-M-01-45) at 1/50 dilution.

The section was treated with Enhanced Tissue clearing kit (Cat#:NH-CR-230701), the tissues were blocked for 2 hours at 4°C, and then probed with the primary antibody (NH-M-01-45, 1/50) overnight at 4°C, washed with PBS. Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) was used as the secondary antibody at 1/50 dilution. Image acquisition was performed with Zeiss 980.

