Monoclonal NeuN/Rbfox3 Antibody, Mouse IgG1

Catalog # NE3-S454

Source

Monoclonal NeuN/Rbfox3 Antibody, Mouse IgG1 is a mouse monoclonal antibody produced from a hybridoma resulting from fusion of SP2/0 myeloma and B-lymphocytes obtained from a mouse.
Gene Synonyms: Fox-3, Hrn, Hrnbp3, Rbfox3, NeuN, Neuna60, RNA binding protein, fox-1 homolog (C. elegans) 3.

Species

Mouse

Isotype

Mouse IgG1

Immunogen

Mouse Rbfox3 peptide fused to GST.

Specificity

This product is a specific antibody specifically reacts with NeuN/Rbfox3.

Application

Application	Recommended Usage
IF	1:500

Purification

Protein A purified / Protein G purified

Formulation

Supplied as 0.2 μm filtered solution in PBS, 50 mM Glycine, 50 mM Tris with 40% glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

This product is supplied and shipped with blue ice, please inquire the shipping cost.

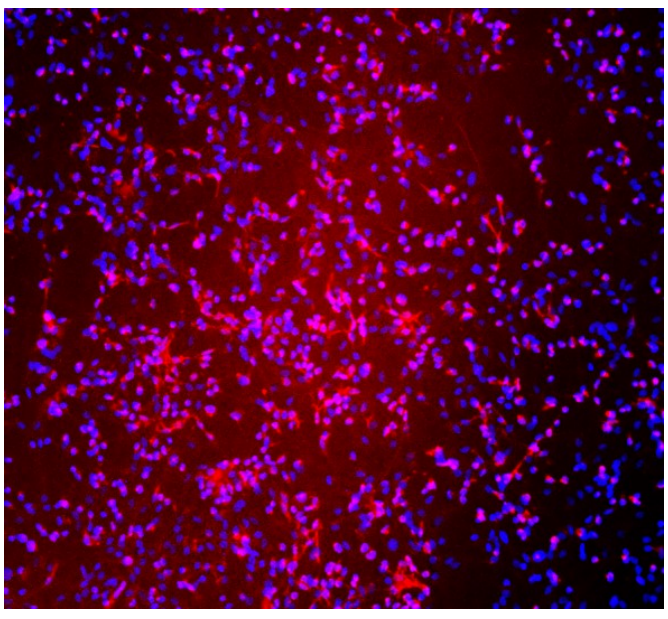
Storage

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- Shipped at -20°C. Store at -20°C for 20 months;
- Shipped at -20°C. Store at -70°C for 3 years.

Immunostaining



2D cell staining: Immunofluorescent staining (10X) of Cerebral Organoid-derived neurons (CIPO-BWL001K) labeling NeuN (Red) with purified NE3-S454 at 1:500 dilution. DAPI (blue) was used as nuclear counterstain.

Background

The neuronal nuclear protein (NeuN) is a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. NeuN emerges during early embryogenesis in postmitotic neuroblasts and remains in differentiating and terminally differentiated neurons throughout the whole subsequent ontogeny. NeuN localized in nuclei and perinuclear cytoplasm of most of the neurons in the central nervous system of mammals, has been widely used as a marker for post-mitotic neurons.

Gusel'nikova VV, Korzhevskiy DE. Acta Naturae. 2015;7(2):42-7. PMID: 26085943; PMCID: PMC4463411.

General Notes: FOR RESEARCH USE ONLY.

Clinical and Translational Updates