

# Product Datasheet

## **RBFOX3/NeuN Antibody (NeuN/6694R) [DyLight 550] NBP3-14008R**

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NBP3-14008R**

RBFOX3/NeuN Antibody (NeuN/6694R) [DyLight 550]

| Product Information |   |
|---------------------|---|
| Unit Size           | 0.1 ml  |
| Concentration       | Please see the vial label for concentration. If unlisted please contact technical services. |
| Storage             | Store at 4C in the dark.  |
| Clonality           | Monoclonal  |
| Clone               | NeuN/6694R  |
| Preservative        | 0.05% Sodium Azide  |
| Isotype             | IgG Kappa   |
| Conjugate           | DyLight 550   |
| Purity              | Protein A or G purified   |
| Buffer              | 50mM Sodium Borate  |

| Product Description     |  |
|-------------------------|--|
| Host                    | Rabbit   |
| Gene ID                 | 146713   |
| Gene Symbol             | RBFOX3   |
| Species                 | Human  |
| Marker                  | Neuronal Marker  |
| Specificity/Sensitivity | <p>NeuN antibody specifically recognizes the DNA-binding, neuron-specific protein NeuN, which is present in most CNS and PNS neuronal cell types of all vertebrates tested. NeuN protein distributions are apparently restricted to neuronal nuclei and some proximal neuronal processes in both fetal and adult brain although, some neurons fail to be recognized by NeuN at all ages: INL retinal cells, Cajal-Retzius cells, Purkinje cells, inferior olivary and dentate nucleus neurons, and sympathetic ganglion cells are examples.</p> <p>Immunohistochemically detectable NeuN protein first appears at developmental timepoints that correspond with the withdrawal of the neuron from the cell cycle and/or with the initiation of terminal differentiation of the neuro. Immunoreactivity appears around E9.5 in the mouse neural tube and is extensive throughout the developing nervous system by E12.5. Strong nuclear staining suggests a nuclear regulatory protein function; however, no evidence currently exists as to whether the NeuN protein antigen has a function in the distal cytoplasm or whether it is merely synthesized there before being transported back into the nucleus. No difference between protein isolated from purified nuclei and whole brain extract on immunoblots has been found.</p> |
| Immunogen               | A synthetic peptide corresponding to residues within aa30-60 of human RBFOX3/NeuN protein (exact sequence is proprietary) (Uniprot: A6NFN3)  |
| Notes                   | DyLight (R) is a trademark of Thermo Fisher Scientific Inc. and its subsidiaries.  |

| Product Application Details |  |
|-----------------------------|--|
| Applications                | Immunohistochemistry-Paraffin  |
| Recommended Dilutions       | Immunohistochemistry-Paraffin  |
| Application Notes           | Optimal dilution of this antibody should be experimentally determined. |



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### **Products Related to NBP3-14008R**

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|               |  |
|---------------|--|
| NBP1-77686PEP | RBFOX3/NeuN Antibody Blocking Peptide      |
| DBD00         | BDNF [HRP]                                 |
| NBP2-10659    | RBFOX3/NeuN Overexpression Lysate          |
| AF835         | Caspase-3 Antibody [Unconjugated] - Active |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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