Recombinant DGRmAb®

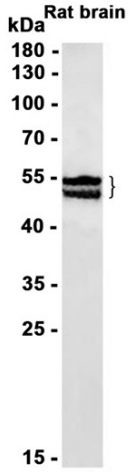
NeuN (DGR13944) Rabbit mAb

db12692 **Package : 10μL 20μL 50μL 100μL**

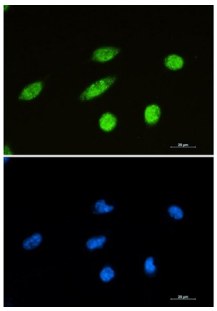
Product Name : NeuN (DGR13944) Rabbit mAb
Cat.No.: db12692
Synonyms : FOX3; NEUN; FOX-3; HRNBP3
Application : WB, IHC-P, ICC/IF, FC
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a member of the RNA-binding FOX protein family which is involved in the regulation of alternative splicing of pre-mRNA. The protein has an N-terminal proline-rich region, an RNA recognition motif (RRM) domain, and a C-terminal alanine-rich region. This gene produces the neuronal nuclei (NeuN) antigen that has been widely used as a marker for post-mitotic neurons. This gene has its highest expression in the central nervous system and plays a prominent role in neural tissue development and regulation of adult brain function. Mutations in this gene have been associated with numerous neurological disorders. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, May 2017]
Immunogen	A synthetic peptide of human NeuN
Gene ID	146713
Swiss Prot	A6NFN3
Synonyms	FOX3; NEUN; FOX-3; HRNBP3
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF, FC
Recommended dilution	WB: 1:1000-1:5000 IHC-P: 1:500-1:2000 ICC/IF: 1:100-1:200 FC: 1:100
Calculated MW	34 kDa
Observed MW	46-55 kDa
Host species	Rabbit
Clonality	Monoclonal

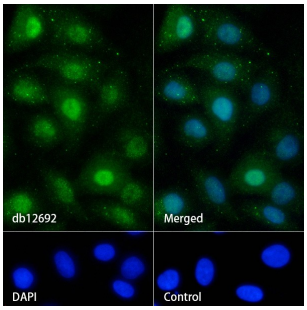
Clonality No.	DGR13944
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



Western blot analysis of extracts from Rat brain tissue using db12692 at 1:1000.



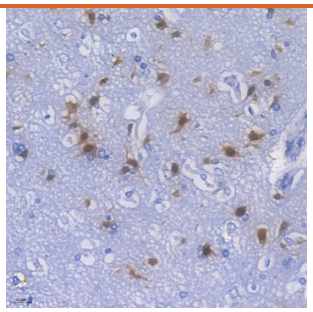
Immunofluorescent analysis of SH-SY5Y cells using db12692 antibody (green), and DAPI (blue).



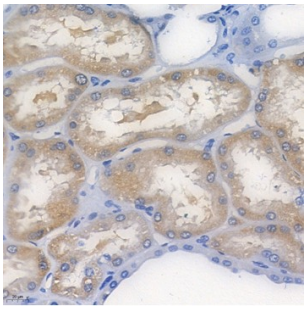
Immunofluorescence analysis of A549 cells labelling NeuN with db12692.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12692 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.



Immunohistochemical analysis of paraffin-embedded human glioblastoma tissue labeling NeuN with db12692. Counter stained with Hematoxylin.



Immunohistochemical analysis of paraffin-embedded human kidney tissue labeling NeuN with db12692. Counter stained with Hematoxylin.