

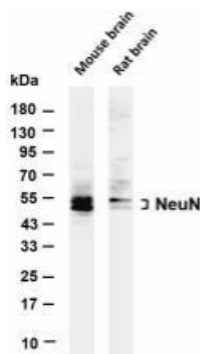
NeuN Rabbit Polyclonal Antibody

OPR3202

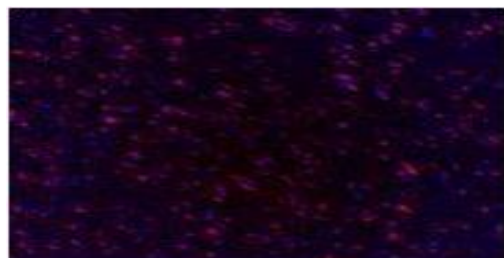
Reactivity	H,M,R	Storage	-15 to -25°C, Avoid freeze/ thaw cycles
Host	Rabbit	Applications	WB;IHC;IF;IP;ELISA
Isotype	IgG	Concentration	1 mg/mL

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Images



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-NeuN antibody. The HRP-conjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Mouse brain Lane 2: Rat brain Predicted band size: 34kDa Observed band size: 46-55kDa.



Immunofluorescence analysis of Human brain.

Immunogen Information

Immunogen	Recombinant protein corresponding to Mouse NEUN
Swissprot	A6NFN3
Synonyms	RNA binding protein fox-1 homolog 3 ; Fox-1 homolog C

Product Information

Observed MW	46-55 kDa
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA.
Dilution	WB:1/2000-1/10000;IHC:1/1000-1/4000;IP:1:50-1:200 IF:1:200-1:1000;ELISA 1:5000-1:20000

Other applications have not been tested. Optimal dilutions/concentrations should be determined by the end user.

Background

Immunoprecipitation and mass spectrometry of the two major NeuN species at 46–55 kDa identified both as the RNA binding protein Rbfox3 (a member of the Fox family of alternative splicing factors), confirming and extending the identification of the 45 kDa band as Rbfox3. Mapping of the anti-NeuN reactive epitopes in both R3hdm2 and Rbfox3 reveals a common proline- and glutamine-rich domain that lies at the N-terminus of the Rbfox3 protein. Nuclear Rbfox3 isoforms can also enhance the inclusion of cryptic exons in the Rbfox2 mRNA, resulting in nonsense-mediated decay of the message, thereby contributing to the negative regulation of Rbfox2 by Rbfox3 through a novel mechanism.

Research Use

For research use only, not for use in diagnostic procedure.

Legend

Applications: WB-Western Blot; IHC-Immunohistochemistry; IF-Immunofluorescence; IP-Immunoprecipitation; FC-Flow cytometry;ChIP-Chromatin Immunoprecipitation

Reactivity: H-Human; R-Rat; M-Mouse; Mk-Monkey; Dg-Dog; Ch-Chicken; Hm-Hamster; Rb-Rabbit; Sh- Sheep; Pg-Pig; Z-Zebrafish;X-Xenopus; C-Cow.

Please contact Origin Diagnostics and Research for further assistance

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