

Anti-NeuN antibody [EPR12763] - Mouse IgG2a (Chimeric)
ab279296

重组

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概述	
产品名称	Anti-NeuN抗体[EPR12763] -小鼠IgG2a (Chimeric)
描述	小鼠单克隆抗体[EPR12763] to NeuN -小鼠IgG2a
宿主	Mouse
经测试应用	适用于: Flow Cyt (Intra), IP, WB, ICC, IHC-P
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	WB: Human, mouse and rat brain tissue lysate. Flow Cyt (intra): Rat primary neural/glia cells. IP: Mouse brain tissue lysate. ICC: SHSY5Y cells. IHC: FFPE Human Cerebral Cortex tissue sections.
常规说明	This mouse monoclonal chimeric antibody has been engineered from a RabMAb parent antibody (ab177487). By necessity, some rabbit sequence is retained as part of the variable domain. When multiplexing with other rabbit-derived antibodies, using cross absorbed Fc-reactive secondary antibodies are recommended.
性能	
形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR12763
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab279296于以下的经测试应用

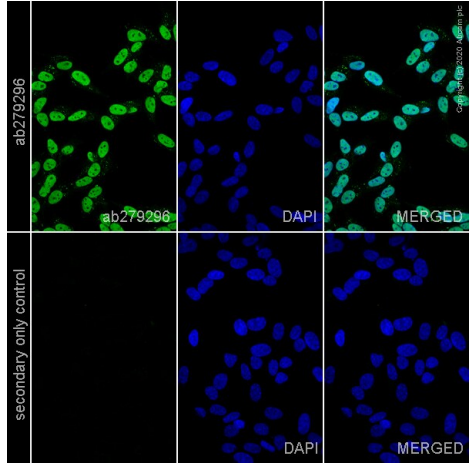
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/1000.
IP		1/30.
WB		1/1000.
ICC		Use a concentration of 1 µg/ml.
IHC-P		Use a concentration of 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

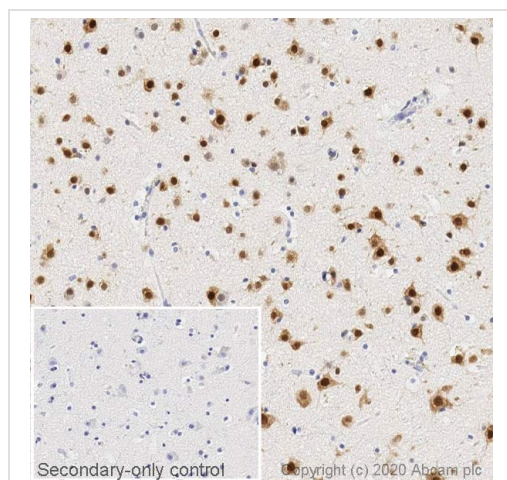
功能	RNA-binding protein that regulates alternative splicing events.
序列相似性	Contains 1 RRM (RNA recognition motif) domain.
细胞定位	Nucleus. Cytoplasm.

图片



Immunocytochemistry - Anti-NeuN antibody
[EPR12763] - Mouse IgG2a (Chimeric) (ab279296)

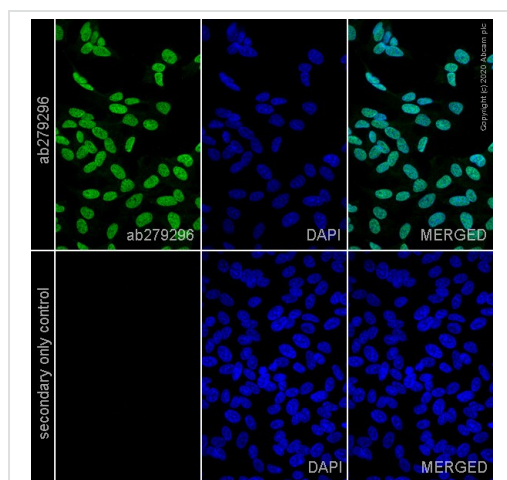
Immunofluorescence staining of NeuN using ab279296 in human SHSY5Y cells. The cells were fixed with 4% formaldehyde (10 min), permeabilized with 0.1% Triton X-100 for 5 mins and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab279296 at 1.0 µg/ml. Cells were then incubated with **ab150117**, Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and nuclear DNA was labelled with DAPI (shown in blue). The secondary only control (bottom row) was not incubated with ab279296 but otherwise processed the same. Images were acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NeuN antibody
[EPR12763] - Mouse IgG2a (Chimeric) (ab279296)

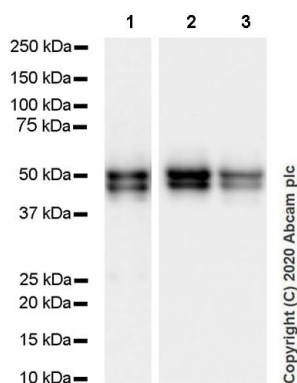
IHC image of NeuN staining in a section of formalin-fixed paraffin-embedded normal human cerebral cortex performed on a Leica BOND™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab279296, 1ug/ml, for 15 mins at room temperature. A rabbit anti-mouse IgG2a, was added for 8 mins at room temperature and detected using an HRP conjugated goat anti-rabbit compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.



Immunocytochemistry - Anti-NeuN antibody
[EPR12763] - Mouse IgG2a (Chimeric) (ab279296)

Immunofluorescence staining of NeuN using ab279296 in human SHSY5Y cells. The cells were fixed with 100% methanol (5 min), permeabilized with 0.1% Triton X-100 for 5 mins and then blocked with 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween for 1h. The cells were then incubated overnight at +4°C with ab279296 at 1.0 µg/ml. Cells were then incubated with ab150117, Goat Anti-Mouse IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and nuclear DNA was labelled with DAPI (shown in blue). The secondary only control (bottom row) was not incubated with ab279296 but otherwise processed the same. Images were acquired with a high-content analyser (Operetta CLS, Perkin Elmer) and a maximum intensity projection of confocal sections is shown.



Western blot - Anti-NeuN antibody [EPR12763] - Mouse IgG2a (Chimeric) (ab279296)

All lanes : Anti-NeuN antibody [EPR12763] - Mouse IgG2a (Chimeric) (ab279296) at 1/1000 dilution

Lane 1 : Human brain tissue lysate

Lane 2 : Mouse brain tissue lysate

Lane 3 : Rat brain tissue lysate

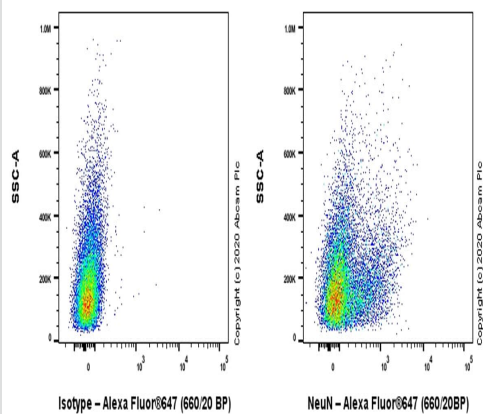
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Peroxidase-Conjugated Goat anti-Mouse IgG (H+L) at 1/5000 dilution

Exposure time: Lane 1: 70 seconds; Lane 2, 3: 4.5 seconds.

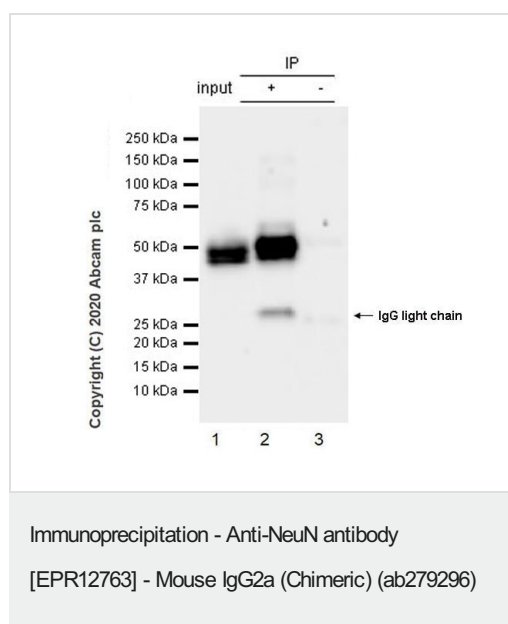
Blocking/Dilution buffer: 5% NFDm/TBST.



Flow Cytometry (Intracellular) - Anti-NeuN antibody [EPR12763] - Mouse IgG2a (Chimeric) (ab279296)

Flow cytometric analysis of 4% paraformaldehyde-fixed, 90% methanol-permeabilized rat primary neural/glia cells labelling NeuN with ab279296 at 1/1000 dilution (0.1µg)/ Right compared with a Mouse monoclonal IgG isotype control/ Left.

Goat Anti-Mouse IgG (Alexa Fluor® 647, [ab150119](#)) at 1/2000 dilution was used as the secondary antibody.



NeuN was immunoprecipitated from 0.35 mg mouse brain tissue lysate 10 µg with ab279296 at 1/30 dilution (2µg in 0.35mg lysates). Western blot was performed on the immunoprecipitate using ab279296 at 1/1000 dilution. mouse IgG for IP (HRP) ([ab131368](#)) was used at 1/5000 dilution.

Lane 1: Mouse brain tissue lysate 10µg.

Lane 2: ab279296 IP in mouse brain tissue lysate.

Lane 3: Mouse monoclonal IgG2a ([ab18413](#)) instead of ab279296 in mouse brain tissue lysate.

Blocking and dilution buffer and concentration: 5% NFDm/TBST.

Exposure time: 15 seconds.

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