




Anti-NMDAR2B antibody [S59] ab93610

重组

★★★★★ [2 Abreviews](#) [22 References](#) [5 图像](#)

概述

产品名称	Anti-NMDAR2B抗体[S59]
描述	小鼠单克隆抗体[S59] to NMDAR2B
宿主	Mouse
特异性	No cross-reactivity with NMDAR2A.
经测试应用	适用于: Flow Cyt, ICC/IF, IHC-P, IP, WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Dog 
免疫原	Recombinant fragment within Rat NMDAR2B aa 1-300 (N terminal). The exact immunogen sequence used to generate this antibody is proprietary information. If additional detail on the immunogen is needed to determine the suitability of the antibody for your needs, please contact our Scientific Support team to discuss your requirements. Database link: Q00960  Run BLAST with  Run BLAST with
阳性对照	Flow Cyt: SH-SY5Y cells. WB: Rat brain lysate. IHC-P : mouse backskin. ICC/IF: SH-SY5Y cells.
常规说明	<p>The clone number has been updated from S59-36 to N59/36, both clone numbers name the same antibody clone.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, PBS

纯度	Protein G purified
克隆	单克隆
克隆编号	S59
同种型	IgG2b

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab93610于以下的经测试应用

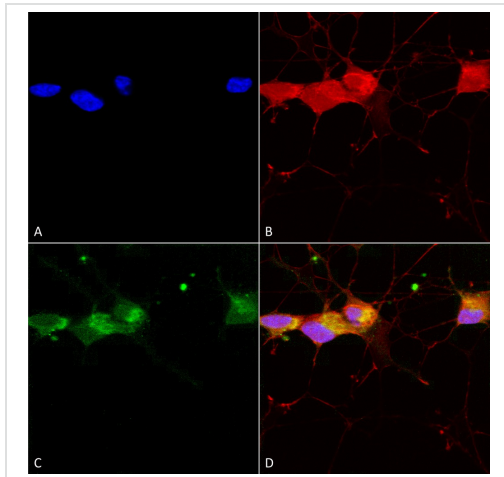
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		Use 1µg for 10 ⁶ cells. ab170192 - Mouse monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★ (1)	Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use a concentration of 1 - 10 µg/ml. Detects a band of approximately 166 kDa (predicted molecular weight: 166 kDa).

靶标

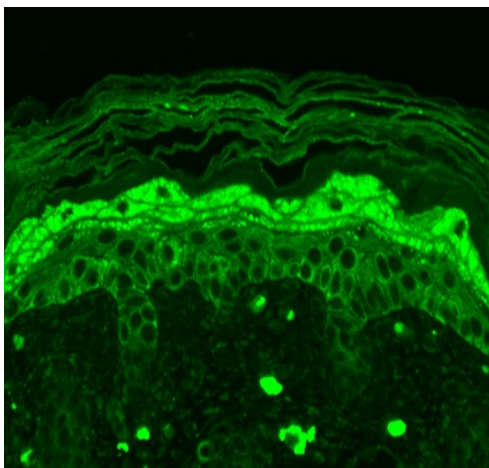
功能	NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine.
组织特异性	Primarily found in the fronto-parieto-temporal cortex and hippocampus pyramidal cells, lower expression in the basal ganglia.
序列相似性	Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2B/GRIN2B subfamily.
细胞定位	Cell membrane. Cell junction > synapse > postsynaptic cell membrane.

图片



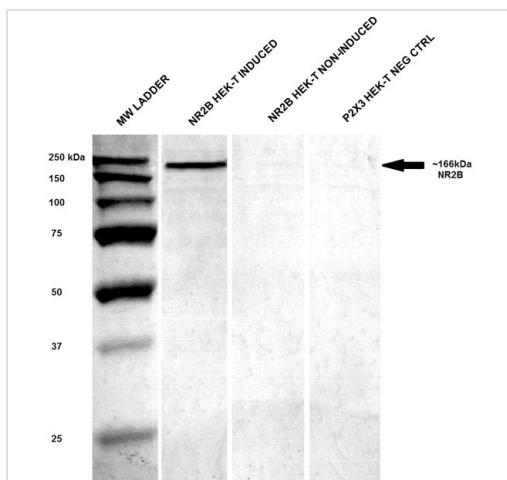
Immunocytochemistry/ Immunofluorescence - Anti-NMDAR2B antibody [S59] (ab93610)

Immunocytochemistry/Immunofluorescence analysis of 4% PFA fixed Human Neuroblastoma cells (SH-SY5Y) using ab93610 at 1/50 dilution. The section was incubated with ab93610 overnight at 4°C with slow rocking followed by AlexaFluor 488 secondary antibody at 1/100 dilution for 1 hour at RT (Green). Hoechst was used as nuclear stain (A) and Phalloidin-iFluor 647 (red) was used as actin counterstaining (B).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NMDAR2B antibody [S59] (ab93610)

Immunohistochemistry analysis of Bouin's Fixed and paraffin-embedded Mouse backskin tissue using ab93610 at 1/100 dilution. The section was incubated with ab93610 for 1 hour at RT followed by FITC Goat Anti-Mouse secondary antibody at 1/50 dilution for 1 hour at RT (green). Positive Filaggrin-like staining and dermal staining observed with mouse backskin tissue.



Western blot - Anti-NMDAR2B antibody [S59]
(ab93610)

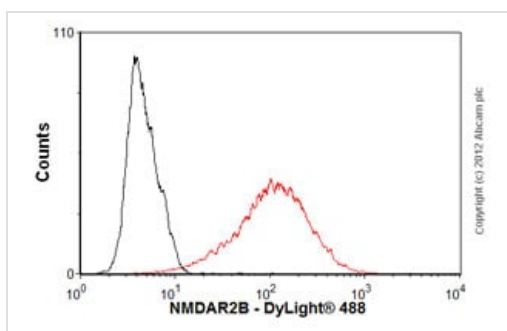
All lanes : Anti-NMDAR2B antibody [S59] (ab93610) at 1/250 dilution

Lane 1 : Induced HEK-T lysates

Lane 2 : Non-Induced HEK-T lysates

Lane 3 : P23X HEK-T negative control lysates

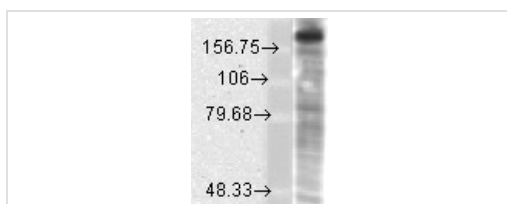
Predicted band size: 166 kDa



Flow Cytometry - Anti-NMDAR2B antibody [S59]
(ab93610)

Overlay histogram showing SH-SY5Y cells stained with ab93610 (red line). The cells were fixed with 4% paraformaldehyde (10 min) and incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab93610, 2µg/1x10⁶ cells) for 30 min at 22°C. The secondary antibody used was DyLight® 488 goat anti-mouse IgG (H+L) ([ab96879](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2b [PLPV219] ([ab91366](#), 2µg/1x10⁶ cells) used under the same conditions. Acquisition of >5,000 events was performed. This antibody gave a positive result in 80% methanol (5 min) fixed SH-SY5Y cells used under the same conditions.

Please note that Abcam do not have any data for use of this antibody on non-fixed cells. We welcome any customer feedback



Western blot - Anti-NMDAR2B antibody [S59]
(ab93610)

Anti-NMDAR2B antibody [S59] (ab93610) at 1/1000 dilution + Rat brain membrane lysate at 15 µg

Secondary

Sheep Anti-Mouse IgG: HRP for 1 hour at RT

Predicted band size: 166 kDa

Blocking buffer: 1.5% BSA for 30 minutes at RT.

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