



Anti-NMDAR2B antibody [S59] ab93610

リコンビナント

★★★★★ [2 Abreviews](#) [22 References](#) [画像数 5](#)

製品の概要

| | |
|--------------|--|
| 製品名 | Anti-NMDAR2B antibody [S59] |
| 製品の詳細 | Mouse monoclonal [S59] to NMDAR2B |
| 由来種 | Mouse |
| 特異性 | No cross-reactivity with NMDAR2A. |
| アプリケーション | 適用あり: Flow Cyt, ICC/IF, IHC-P, IP, WB |
| 種交差性 | 交差種: Mouse, Rat, Human 交差が予測される動物種: 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 <div>  Run BLAST with  Run BLAST with </div> |
| ポジティブ・コントロール | Flow Cyt: SH-SY5Y cells. WB: Rat brain lysate. IHC-P : mouse backskin. ICC/IF: SH-SY5Y cells. |
| 特記事項 | <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> |

製品の特性

| | |
|-------|---|
| 製品の状態 | Liquid |
| 保存方法 | Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. |
| バッファー | Preservative: 0.09% Sodium azide Constituents: 50% Glycerol, PBS |

| | |
|--------|--------------------|
| 精製度 | Protein G purified |
| ポリ/モノ | モノクローナル |
| クローン名 | S59 |
| アイソタイプ | IgG2b |

アプリケーション

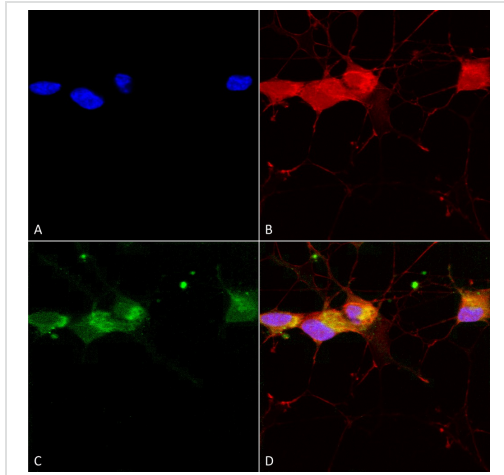
The Abpromise guarantee **Abpromise保証は、**次のテスト済みアプリケーションにおけるab93610の使用に適用されます
 アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

| アプリケーション | Abreviews | 特記事項 |
|----------|-----------|---|
| 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). |

ターゲット情報

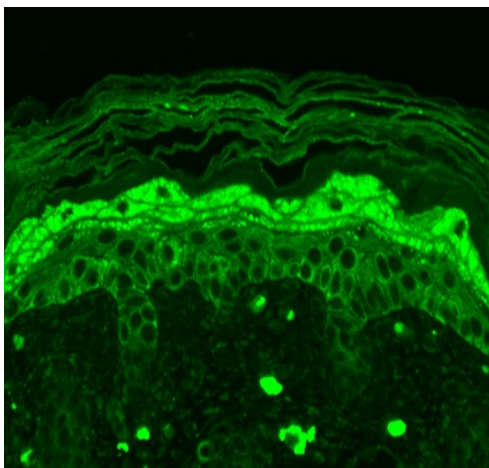
| | |
|-------|---|
| 機能 | NMDA receptor subtype of glutamate-gated ion channels with high calcium permeability and voltage-dependent sensitivity to magnesium. Mediated by glycine. |
| 組織特異性 | Primarily found in the fronto-parieto-temporal cortex and hippocampus pyramidal cells, lower expression in the basal ganglia. |
| 配列類似性 | Belongs to the glutamate-gated ion channel (TC 1.A.10.1) family. NR2B/GRIN2B subfamily. |
| 細胞内局在 | Cell membrane. Cell junction > synapse > postsynaptic cell membrane. |

画像



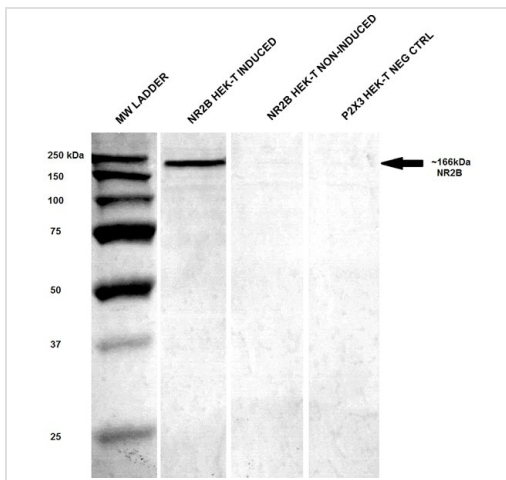
Immunocytochemistry/ Immunofluorescence - Anti-NMDAR2B antibody [S59] (ab93610)

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)

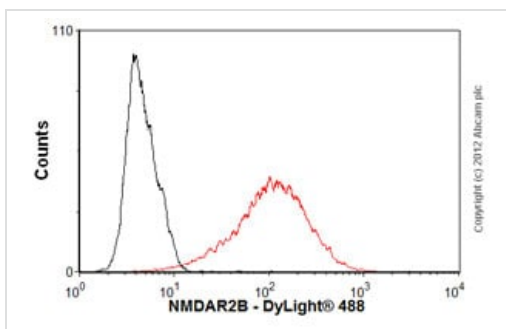
All lanes : Anti-NMDAR2B antibody [S59] (ab93610) at 1/250 dilution

Lane 1 : Induced HEK-T lysates

Lane 2 : Non-Induced HEK-T lysates

Lane 3 : P23X HEK-T negative control lysates

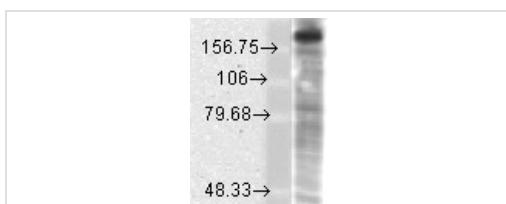
Predicted band size: 166 kDa



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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