


### Anti-A2B5 antibody [105] ab53521

★★★★★ [2 Abreviews](#) [36 References](#) [5 图像](#)

#### 概述

产品名称	Anti-A2B5抗体[105]
描述	小鼠单克隆抗体[105] to A2B5
宿主	Mouse
经测试应用	适用于: Flow Cyt (Intra), ICC/IF
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Chicken 
免疫原	Tissue, cells or virus. This information is proprietary to Abcam and/or its suppliers.
阳性对照	ICC/IF: Primary mouse neurons/glia, DIV14 cells, Primary rat neurons/glia, DIV14 cells, PC12 cells. Flow Cyt (Intra): SH-SY5Y cells.
常规说明	<p>This antibody clone is manufactured by Abcam. If you require a custom buffer formulation or conjugation for your experiments, please contact <a href="mailto:orders@abcam.com">orders@abcam.com</a>.</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&amp;As</p>

#### 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 or -80°C. Avoid freeze / thaw cycle.
存储溶液	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS
纯度	Purified IgM
克隆	单克隆
克隆编号	105

骨髓瘤	P3-x63-Ag8
同种型	IgM
轻链类型	kappa

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab53521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)		Use 1µg for 10 <sup>6</sup> cells. <b>ab18400</b> - Mouse monoclonal IgM, is suitable for use as an isotype control with this antibody.
ICC/IF	★★★★★ (1)	Use a concentration of 1 µg/ml.

靶标

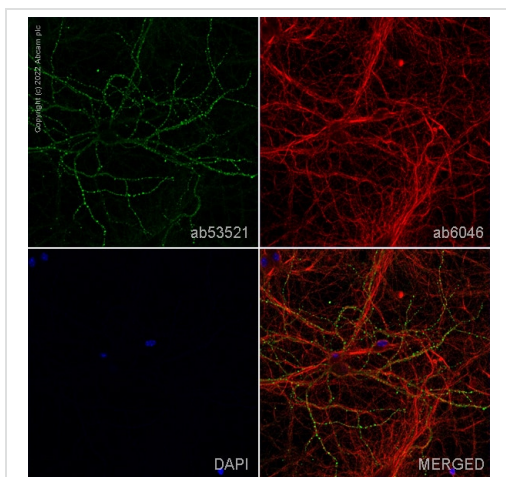
相关性	A2B5 is a cell surface ganglioside epitope expressed in developing thymic epithelial cells, oligodendrocyte progenitors and neuroendocrine cells.
细胞定位	Cell surface

图片

Immunocytochemistry/ Immunofluorescence - Anti-A2B5 antibody [105] (ab53521)

ab53521 staining A2B5 in primary rat neurons/glia, DIV14 (prepared from E18 rat hippocampal brain area, obtained from Transnetyx Tissue by BrainBits, LLC, cat.no. SDHEP) cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes 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 ab53521 at 1µg/ml and **ab6046**, Rabbit polyclonal to beta Tubulin - Loading Control. Cells were then incubated with **ab150121**, Goat polyclonal Secondary Antibody to Mouse IgM - mu chain (Alexa Fluor® 488) at 1/1000 dilution (shown in green) and **ab150080**, Goat polyclonal Secondary Antibody to Rabbit IgG - H&L (Alexa Fluor® 594) at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

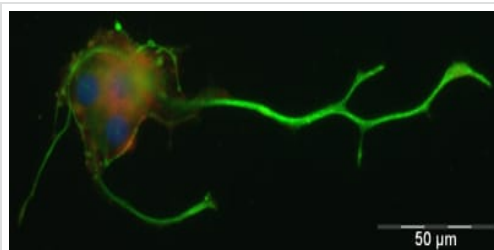
Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunocytochemistry/ Immunofluorescence - Anti-A2B5 antibody [105] (ab53521)

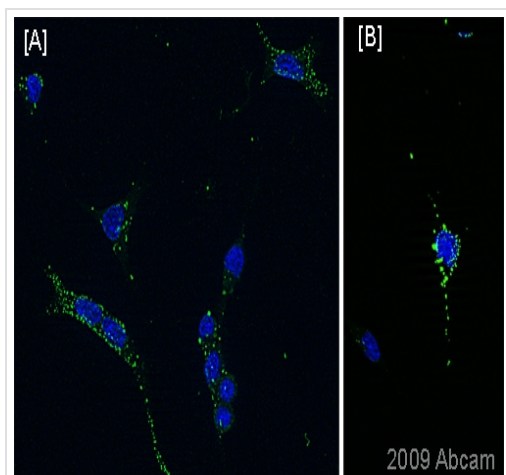
ab53521 staining A2B5 in primary mouse neurons/glia, DIV14 (prepared from E18 mouse hippocampal brain area, obtained from Transnetyx Tissue by BrainBits, LLC, cat.no. C57EHP) cells. The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.1% PBS-Tween for 5 minutes and then blocked 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 ab53521 at 1µg/ml and **ab6046**. Cells were then incubated with **ab150121** at 1/1000 dilution (shown in green) and **ab150080** at 1/1000 dilution (shown in pseudocolour red). Nuclear DNA was labelled with DAPI (shown in blue).

Image was acquired with a confocal microscope (Leica-Microsystems TCS SP8) and a single confocal section is shown.



Immunocytochemistry/ Immunofluorescence - Anti-A2B5 antibody [105] (ab53521)

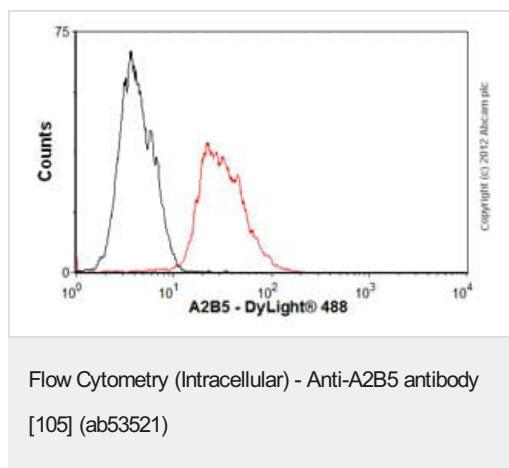
ICC/IF image of ab53521 stained PC12 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab53521, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-mouse IgM (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue).



Immunocytochemistry/ Immunofluorescence - Anti-A2B5 antibody [105] (ab53521)

This image is courtesy of an Abreview submitted by Mr Carl Hobbs

A2B5 antibody [105] - Stem Cell Marker (ab53521) used in immunocytochemical detection on Cor1 (mouse) neuronal stem cells. Cor1 neuronal stem cells were fixed in formaldehyde, permeabilized, blocked in 1% BSA for 30 mins at RT. ab53521 was incubated at 1/500 for 16 hours in TBS/BSA/azide/0.5% Triton. Secondary Antibody:anti mouse IgM conjugated: to Alexa Fluor® 488 (1/1000).



Overlay histogram showing SH-SY5Y cells stained with ab53521 (red line). The cells were fixed with 80% methanol (5 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 (ab53521, 1 µg/1x10<sup>6</sup> cells) for 30 min at 22°C. The secondary antibody used was DyLight<sup>®</sup> 488 goat anti-mouse IgM (mu chain) ([ab97007](#)) at 1/500 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgM [ICIGM] ([ab91545](#), 2 µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >5,000 events was performed.

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