

Anti-VGluT1 antibody [EPR10953] - C-terminal ab180188

重组 RabMAb

★★★★★ [6 Abreviews](#) [8 References](#) [3 图像](#)

概述

产品名称	Anti-VGluT1抗体[EPR10953] - C-terminal
描述	兔单克隆抗体[EPR10953] to VGluT1 - C-terminal
宿主	Rabbit
经测试应用	适用于: WB, ICC/IF 不适用于: Flow Cyt, IHC-P or IP
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: Fetal brain, Neuro-2a and C6 lysates; ICC/IF: Mouse primary neuron cells.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production For more information see here . Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents .

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: 7.20 Constituents: 0.35% Sodium citrate, 0.17% Sodium chloride, 0.03% EDTA, 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	EPR10953
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab180188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
WB	★★★★★ (4)	1/1000 - 1/5000. Predicted molecular weight: 61 kDa.
ICC/IF	★★★★★ (1)	1/200.

应用说明

Is unsuitable for Flow Cyt, IHC-P or IP.

靶标

功能

Mediates the uptake of glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. May also mediate the transport of inorganic phosphate.

组织特异性

Expressed in several regions of the brain including amygdala, cerebellum, cerebral cortex, hippocampus, frontal lobe, medulla, occipital lobe, putamen and temporal lobe.

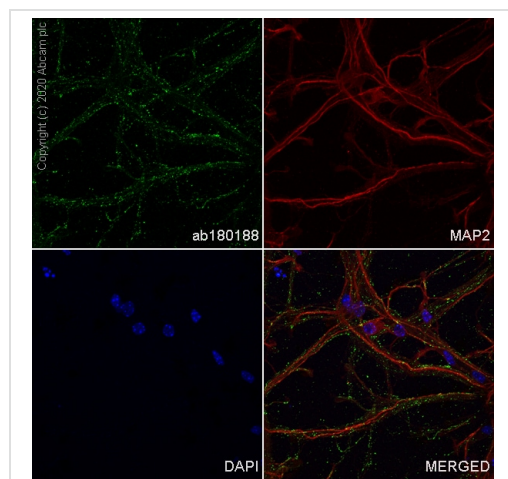
序列相似性

Belongs to the major facilitator superfamily. Sodium/anion cotransporter family. VGLUT subfamily.

细胞定位

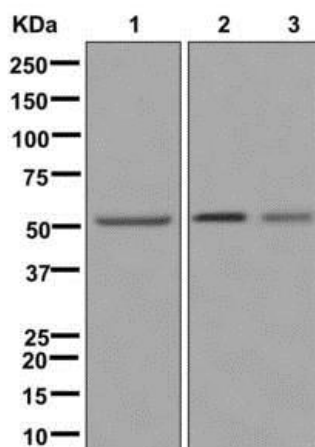
Cytoplasmic vesicle, secretory vesicle, synaptic vesicle membrane. Membrane. Cell junction, synapse, synaptosome.

图片



Immunofluorescent analysis of 4% Paraformaldehyde-fixed, 0.1% TritonX-100 permeabilized mouse primary neuron cells labelling VGLUT1 with ab180188 at 1/200 dilution, followed by **ab150077** Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) antibody at 1/1000 dilution (2 µg/mL) (Green). Confocal image showing positive staining in mouse primary neuron cell. Confocal scanning Z step was set as 0.3 µm followed by image processing with maximum Z projection. **ab11267** Anti-MAP2 mouse monoclonal antibody was used to counterstain tubulin at 1/500 dilution (4 µg/mL) followed by **ab150120** Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) at 1/1000 dilution (2 µg/mL) (Red). The nuclear counterstain was DAPI (Blue).

Immunocytochemistry/ Immunofluorescence - Anti-VGLUT1 antibody [EPR10953] - C-terminal (ab180188)



Western blot - Anti-VGluT1 antibody [EPR10953] - C-terminal (ab180188)

All lanes : Anti-VGluT1 antibody [EPR10953] - C-terminal (ab180188) at 1/1000 dilution

Lane 1 : Fetal brain lysate

Lane 2 : Neuro-2a (Mouse neuroblastoma cell line) lysate

Lane 3 : C6 (Rat glial tumor cell line) lysate

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP labelled goat anti-rabbit at 1/2000 dilution

Predicted band size: 61 kDa

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-VGluT1 antibody [EPR10953] - C-terminal (ab180188)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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