

### Anti-GFAP antibody [EP672Y] ab33922

重组 RabMAb

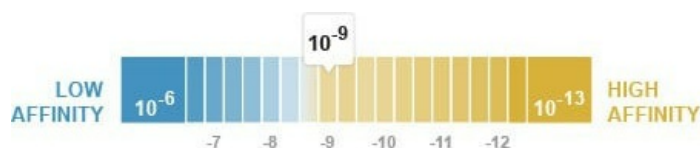
★★★★★ **9 Abreviews** **59 References** **10 图像**

#### 概述

产品名称	Anti-GFAP抗体[EP672Y]
描述	兔单克隆抗体[EP672Y] to GFAP
宿主	Rabbit
特异性	Mouse species is recommended based on IHC and ICC results, we do not guarantee WB for mouse.
经测试应用	<b>适用于:</b> ICC/IF, WB, IHC-P, Flow Cyt (Intra) <b>不适用于:</b> Flow Cyt or IP
种属反应性	<b>与反应:</b> Mouse, Rat, Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
常规说明	This product is a recombinant monoclonal antibody, which offers several advantages including: <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> For more information <a href="#">see here</a> . Our RabMAb <sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a> .

#### 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.
解离常数 (K <sub>D</sub> )	K <sub>D</sub> = 2.86 x 10 <sup>-9</sup> M



[Learn more about K<sub>D</sub>](#)

存储溶液	pH: 7.20 Preservative: 0.01% Sodium azide
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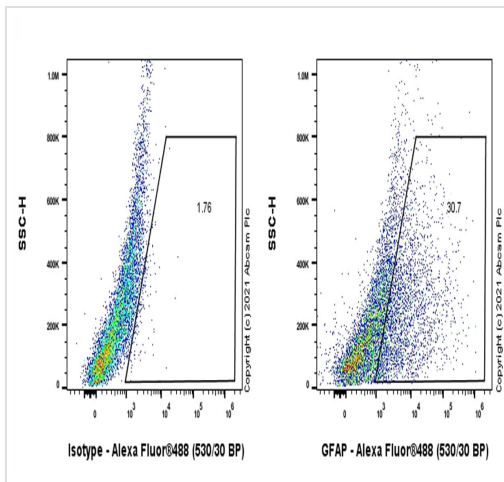
纯度	Protein A purified
克隆	单克隆
克隆编号	EP672Y
同种型	IgG

**The Abpromise guarantee**      **Abpromise™承诺保证使用ab33922于以下的经测试应用**

应用	Ab评论	说明
ICC/IF	★★★★★ (1)	Use a concentration of 0.2 - 1 µg/ml.
WB	★★★★★ (3)	1/2000. Predicted molecular weight: 50 kDa. Mouse species is recommended based on IHC and ICC results, we do not guarantee WB for mouse.
IHC-P	★★★☆☆ (2)	Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
Flow Cyt (Intra)		1/500.

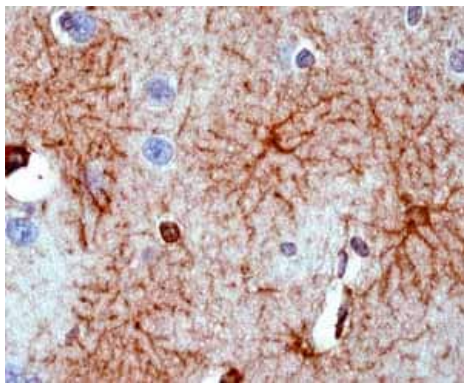
靶标

**细胞定位** Cytoplasm. Associated with intermediate filaments.



Flow Cytometry (Intracellular) - Anti-GFAP antibody  
[EP672Y] (ab33922)

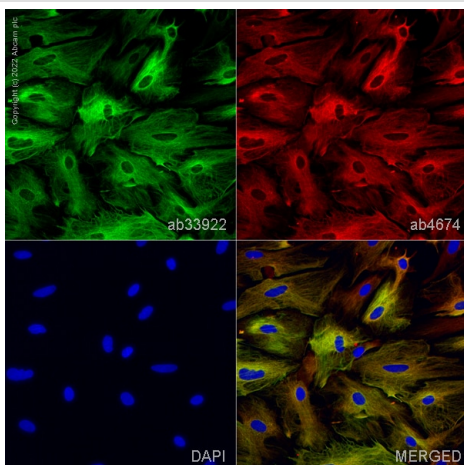
Flow cytometric analysis of 4% paraformaldehyde fixed 90% methanol permeabilized Mouse primary brain cells cells labelling GFAP with ab33922 at 1/500 dilution (0.1 ug)/ Right compared with a Rabbit monoclonal IgG (**ab172730**) / Left isotype control . A Goat anti rabbit IgG (Alexa Fluor® 488, **ab150077**) at 1/2000 dilution was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GFAP antibody  
[EP672Y] (ab33922)

ab33922 showing positive staining in Normal brain tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

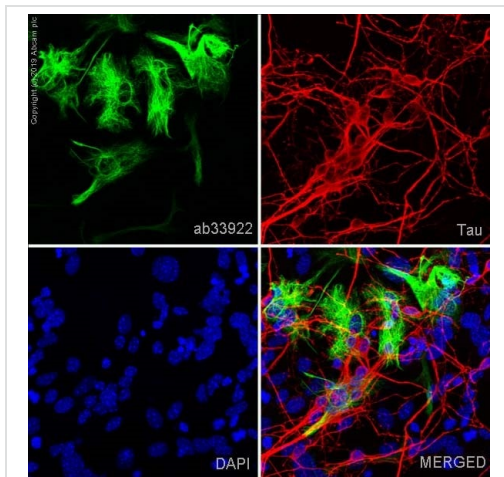


Immunocytochemistry/ Immunofluorescence - Anti-GFAP antibody [EP672Y] (ab33922)

Immunofluorescence staining of GFAP using ab33922 in primary rat hippocampal mixed glia, (prepared from P2 rat hippocampal brain area, obtained from Transnetyx Tissue by BrainBits, LLC, cat.no. SDPHP4m), DIV4. The cells were fixed with 100% MeOH (5 min), permeabilized with 0.1% Triton-X-100 (in PBS) 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 ab33922 at 0.2 µg/ml and **ab4674**, Anti-GFAP antibody, at 1/1000 dilution. Cells were then incubated with **ab150081**, Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) preadsorbed at 1/1000 dilution (shown in green) and **ab150176**, Goat Anti-Chicken IgY H&L (Alexa Fluor® 594) preadsorbed at 1/1000 dilution (shown in red). Nuclear DNA was labelled with DAPI (shown in blue).

Images were acquired with the Perkin Elmer Operetta HCA and a maximum intensity projection of confocal sections is shown. The

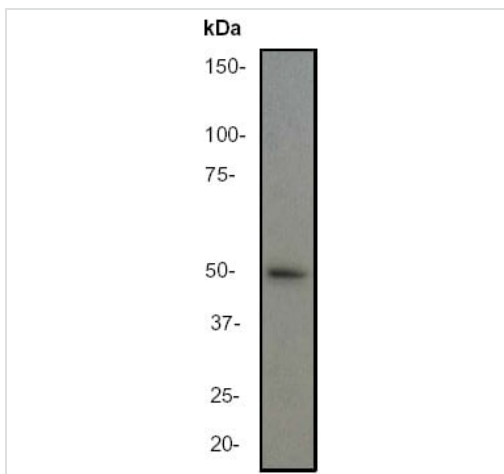
antibody ab33922 gave comparable results using 4% formaldehyde fixation (10 min).



Immunocytochemistry/ Immunofluorescence - Anti-GFAP antibody [EP672Y] (ab33922)

Immunocytochemistry analysis of Embryonic mouse primary neural cells labeling GFAP with purified ab33922 at 1:100 dilution (10 µg/ml). Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Goat anti rabbit IgG (Alexa Fluor® 488, [ab150077](#)) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain. Cells were counterstained with Tau Mouse mAb 1:100 (5 µg/ml). [ab150120](#) Goat Anti-Mouse IgG H&L (Alexa Fluor® 594) was used as the secondary antibody for the counter stain at 1:1000 (2 µg/ml) dilution. DAPI (blue) was used as nuclear counterstain.

Confocal image showing positive staining in glial cells.

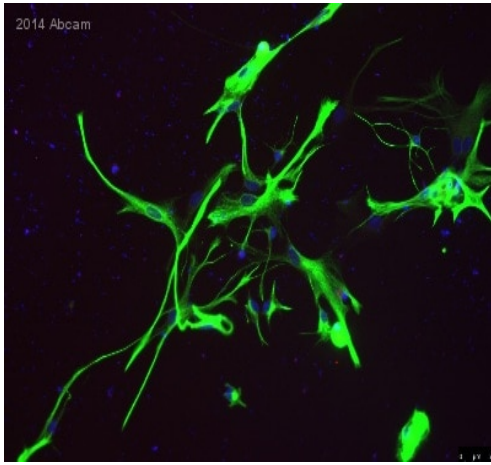


Western blot - Anti-GFAP antibody [EP672Y] (ab33922)

Anti-GFAP antibody [EP672Y] (ab33922) at 1/2000 dilution + Rat brain lysate

**Predicted band size:** 50 kDa

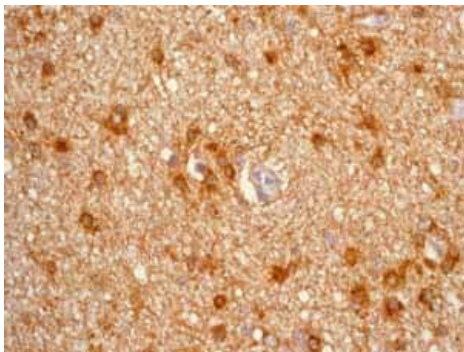
**Observed band size:** 50 kDa



Immunocytochemistry/ Immunofluorescence - Anti-GFAP antibody [EP672Y] (ab33922)

Image Courtesy of Ruma Raha-Chowdhury

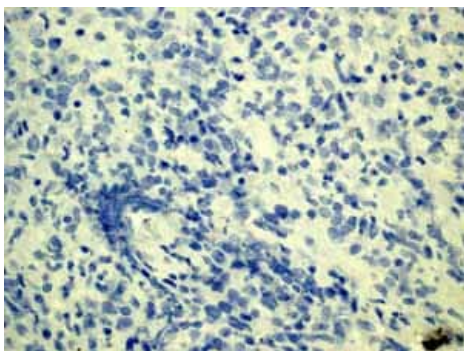
ICC image of ab33922 stained Rat primary mixed astrocytes culture. The cells were 100% Paraformaldehyde fixed and then incubated in 10% Serum / 0.1M PBS with 10% Donkey serum for 4h. The secondary antibody was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GFAP antibody [EP672Y] (ab33922)

ab33922 showing positive staining in Astrocytoma tissue.

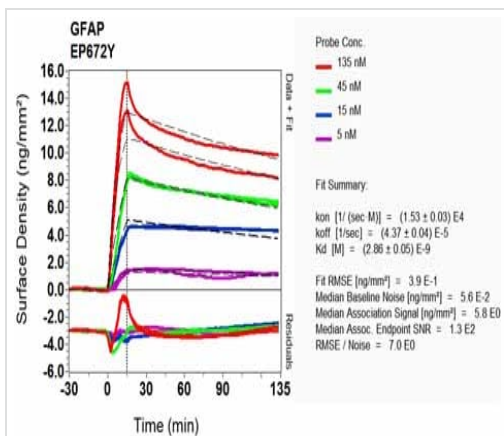
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GFAP antibody [EP672Y] (ab33922)

ab33922 showing negative staining in Meningioma tissue.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



SPR Scanning - Anti-GFAP antibody [EP672Y]  
(ab33922)

Equilibrium dissociation constant ( $K_D$ )

Learn more about  $K_D$

[Click here to learn more about  \$K\_D\$](#)

### 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-GFAP antibody [EP672Y] (ab33922)

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