

### Anti-GFAP antibody ab134436

★★★★★ [3 Abreviews](#) [17 References](#) [2 图像](#)

#### 概述

产品名称	Anti-GFAP抗体
描述	鸡多克隆抗体to GFAP
宿主	Chicken
经测试应用	适用于: ICC/IF
种属反应性	与反应: Rat
免疫原	<p><b>This product was produced with the following immunogens:</b></p> <p>Recombinant full length protein corresponding to Cow GFAP. Recombinant full length protein followed by boosts of native GFAP protein purified from bovine spinal cords</p> <p>Full length native protein (purified) corresponding to Cow GFAP. Recombinant full length protein corresponding to GFAP. Recombinant full length protein followed by boosts of native GFAP protein purified from bovine spinal cords</p>
常规说明	<p>Do not freeze this antibody unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half its binding activity is lost.</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). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 99% PBS, 0.5% BSA</p>
纯度	IgY fraction
纯化说明	After repeated injections, immune eggs were collected, the IgY fractions were purified from the

yolks, and the IgY concentration adjusted to 20 mg/ml. This preparation was then diluted 1:10 with PBS containing bovine serum albumin as a carrier. Finally, the antibody preparation was filter-sterilized.

克隆 多克隆  
同种型 IgY

## 应用

**The Abpromise guarantee** **Abpromise™** 承诺保证使用ab134436于以下的经测试应用

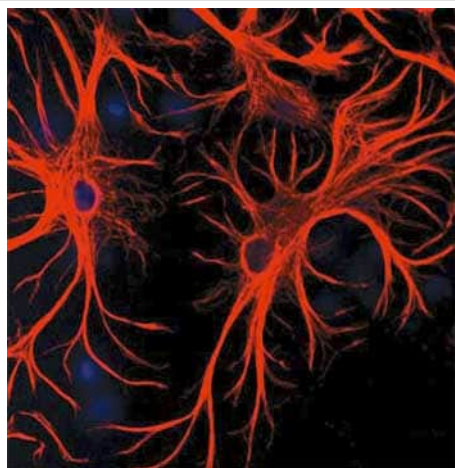
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ICC/IF	★★★★★ (1)	1/2000 - 1/5000. Use 2% paraformaldehyde-fixed cells.

## 靶标

功能	GFAP, a class-III intermediate filament, is a cell-specific marker that, during the development of the central nervous system, distinguishes astrocytes from other glial cells.
组织特异性	Expressed in cells lacking fibronectin.
疾病相关	Defects in GFAP are a cause of Alexander disease (ALEXD) [MIM:203450]. Alexander disease is a rare disorder of the central nervous system. It is a progressive leukoencephalopathy whose hallmark is the widespread accumulation of Rosenthal fibers which are cytoplasmic inclusions in astrocytes. The most common form affects infants and young children, and is characterized by progressive failure of central myelination, usually leading to death usually within the first decade. Infants with Alexander disease develop a leukoencephalopathy with macrocephaly, seizures, and psychomotor retardation. Patients with juvenile or adult forms typically experience ataxia, bulbar signs and spasticity, and a more slowly progressive course.
序列相似性	Belongs to the intermediate filament family.
翻译后修饰	Phosphorylated by PKN1.
细胞定位	Cytoplasm. Associated with intermediate filaments.

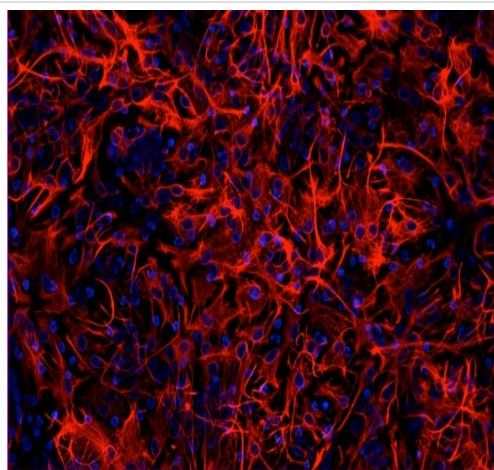
## 图片



Immunofluorescent analysis of dissociated culture of rat cerebral cortical neurons and astrocytes labelling GFAP with ab134436 at 1/2000 dilution (red staining). The nuclei of some neuronal cells (blue staining) are visible.

Immunocytochemistry/ Immunofluorescence - Anti-GFAP antibody (ab134436)

Picture courtesy of Dr. Gerry Shaw, University of Florida



ICC image of ab134436 stained primary neuron-glia rat cells. The cells were fixed with 3.7% formaldehyde in PBS (5 min), permeabilized with cold methanol and then blocked with 2% goat serum for 1h. The cells were then incubated with ab134436 (1/5000) overnight at +4°C followed by a further incubation at room temperature with Goat Anti-chicken IgG H&L (AlexaFluor® 488) at 1/2000 dilution (shown in red) for 1hr. Nuclear DNA was labelled in blue with DAPI.

Immunocytochemistry/ Immunofluorescence - Anti-GFAP antibody (ab134436)

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

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