


Anti-GFAP antibody ab53554

★★★★★ [24 Abreviews](#) [320 References](#) [2 图像](#)

概述

产品名称	Anti-GFAP抗体
描述	山羊多克隆抗体to GFAP
宿主	Goat
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Rat, Human 预测可用于: Dog 
免疫原	Synthetic peptide corresponding to Human GFAP aa 400 to the C-terminus (C terminal) (Cysteine residue). Database link: P14136-1 Run BLAST with Run BLAST with
阳性对照	WB: Human cerebellum lysates. Mouse and rat brain lysates.
常规说明	<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>

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.
存储溶液	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris
纯度	Immunogen affinity purified
纯化说明	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
克隆	多克隆

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab53554于以下的经测试应用

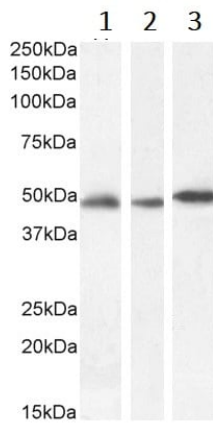
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★★ (3)	Use a concentration of 0.001 - 0.1 µg/ml. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa). A 1 hour primary incubation is recommended for this product. We recommend blocking in milk (3% milk in TBST) for 1 hour at room temperature.

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



Western blot - Anti-GFAP antibody (ab53554)

Lane 1 : Anti-GFAP antibody (ab53554) at 0.001 µg/ml

Lane 2 : Anti-GFAP antibody (ab53554) at 0.1 µg/ml

Lane 3 : Anti-GFAP antibody (ab53554) at 0.03 µg/ml

Lane 1 : Human Cerebellum tissue lysate

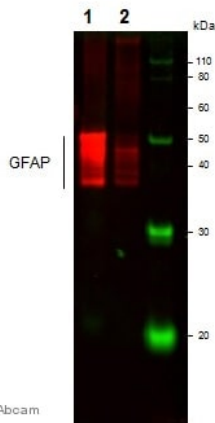
Lane 2 : Mouse brain tissue lysate

Lane 3 : Rat brain tissue lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 50 kDa

Lysate in RIPA buffer. Detected by chemiluminescence



Western blot - Anti-GFAP antibody (ab53554)

This image was courtesy of an anonymous Abreview

All lanes : Anti-GFAP antibody (ab53554) at 1/1000 dilution

All lanes : Human Tissue lysate - other (Frontal Cortex)

Lysates/proteins at 30 µg per lane.

Secondary

All lanes : Donkey anti-goat IRDye 800CW conjugated Li-Cor IRdye

Predicted band size: 50 kDa

Observed band size: 40-50 kDa

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

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