




Anti-Aquaporin 4 antibody [4/18] ab9512

★★★★★ [7 Abreviews](#) [44 References](#) [1 图像](#)

概述

产品名称	Anti-Aquaporin 4抗体[4/18]
描述	小鼠单克隆抗体[4/18] to Aquaporin 4
宿主	Mouse
经测试应用	适用于: IHC-P, IHC-Fr, IHC-FoFr, ELISA, WB
种属反应性	与反应: Mouse, Rat, Rabbit, Human, Zebrafish 预测可用于: Cow 
免疫原	Synthetic peptide: VIDIDRGDEKKGKDSSGE , corresponding to amino acids 301-318 of Aquaporin 4  Run BLAST with  Run BLAST with
表位	Intracellular C-terminal AQP 4 epitope
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. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.097% Sodium azide Constituents: PBS, 0.1% BSA
纯度	Protein A purified
克隆	单克隆
克隆编号	4/18
同种型	IgG3

轻链类型

kappa

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab9512于以下的经测试应用

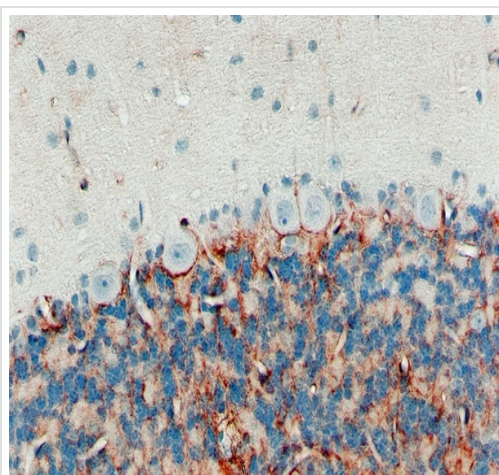
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P	★★★★★ (4)	1/100. Perform heat mediated antigen retrieval via the microwave method before commencing with IHC staining protocol.
IHC-Fr	★★★★☆ (1)	Use at an assay dependent concentration.
IHC-FoFr	★★★★★ (2)	Use at an assay dependent concentration. PubMed: 22438975
ELISA		Use at an assay dependent concentration. PubMed: 11595449
WB		Use at an assay dependent concentration. Predicted molecular weight: 35 kDa. PubMed: 19831719

靶标

功能	Forms a water-specific channel. Osmoreceptor which regulates body water balance and mediates water flow within the central nervous system.
组织特异性	Brain - muscle >> heart, kidney, lung, and trachea.
序列相似性	Belongs to the MIP/aquaporin (TC 1.A.8) family.
结构域	Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).
翻译后修饰	Phosphorylation by PKC at Ser-180 reduces conductance by 50%. Phosphorylation by PKG at Ser-111 in response to glutamats increases conductance by 40%.
细胞定位	Membrane.

图片



Immunohistochemical staining of aquaporin 4 in rat brain.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aquaporin 4 antibody [4/18] (ab9512)

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

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