


Anti-Aquaporin 2 (phospho S256) antibody ab111346

★★★★★ [2 Abreviews](#) [4 References](#) [1 图像](#)

概述

产品名称	Anti-Aquaporin 2 (phospho S256)抗体
描述	兔多克隆抗体to Aquaporin 2 (phospho S256)
宿主	Rabbit
经测试应用	适用于: IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat 
免疫原	Synthetic peptide corresponding to Human Aquaporin 2 (phospho S256).
阳性对照	Human brain tissue.
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 -20°C. Stable for 12 months at -20°C.
存储溶液	<p>pH: 7</p> <p>Preservative: 0.02% Sodium azide</p> <p>Constituents: 49.1% PBS, 50% Glycerol, 0.88% Sodium chloride</p>
纯度	PBS (without Mg ²⁺ and Ca ²⁺)
纯化说明	Immunogen affinity purified
克隆	<p>ab111346 was affinity-purified from Rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation.</p> <p>多克隆</p>

同种型

IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab111346于以下的经测试应用

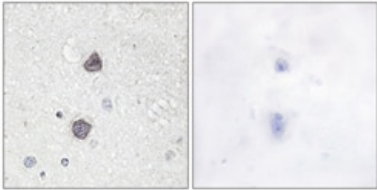
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

靶标

功能	Forms a water-specific channel that provides the plasma membranes of renal collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.
组织特异性	Expressed in renal collecting tubules.
疾病相关	Diabetes insipidus, nephrogenic, autosomal
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	Ser-256 phosphorylation is necessary and sufficient for expression at the apical membrane. Endocytosis is not phosphorylation-dependent.
细胞定位	Apical cell membrane. Basolateral cell membrane. Cytoplasmic vesicle membrane. Golgi apparatus, trans-Golgi network membrane. Shuttles from vesicles to the apical membrane. Vasopressin-regulated phosphorylation is required for translocation to the apical cell membrane. PLEKHA8/FAPP2 is required to transport AQP2 from the TGN to sites where AQP2 is phosphorylated.

图片



ab111346 at 1/50 dilution staining Aquaporin 2 in Paraffin-embedded Human Brain tissue by Immunohistochemistry. The image on the right is treated with the synthesized phosphopeptide.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Aquaporin 2 (phospho S256) antibody (ab111346)

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

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