

**产品名称: AQP1 Rabbit Polyclonal Antibody**  
**产品货号: APRab07066**



## 产品概述 (Summary)

|                        |                                 |
|------------------------|---------------------------------|
| 产品名称 (Production Name) | AQP1 Rabbit Polyclonal Antibody |
| 描述 (Description)       | Rabbit polyclonal Antibody      |
| 宿主 (Host)              | Rabbit                          |
| 应用 (Application)       | WB,ELISA                        |
| 种属反应性 (Reactivity)     | Human,Mouse,Rat                 |

## 产品性能 (Performance)

|                     |                                                                                                   |
|---------------------|---------------------------------------------------------------------------------------------------|
| 偶联物 (Conjugation)   | Unconjugated                                                                                      |
| 修饰 (Modification)   | Unmodified                                                                                        |
| 同种型 (Isotype)       | IgG                                                                                               |
| 克隆 (Clonality)      | Polyclonal                                                                                        |
| 形式 (Form)           | Liquid                                                                                            |
| 存放说明 (Storage)      | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.          |
| 储存溶液 (Buffer)       | Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N. |
| 纯化方式 (Purification) | Affinity purification                                                                             |

## 免疫原信息 (Immunogen)

|                        |                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| 基因名 (Gene Name)        | AQP1                                                                                                                                        |
| 别名 (Alternative Names) | AQP1; CHIP28; Aquaporin-1; AQP-1; Aquaporin-CHIP; Urine water channel; Water channel protein for red blood cells and kidney proximal tubule |
| 基因 ID (Gene ID)        | 358.0                                                                                                                                       |
| 蛋白 ID (SwissProt ID)   | P29972.The antiserum was produced against synthesized peptide derived from human AQP1. AA range:101-150                                     |

## 产品应用 (Application)

|                          |                                       |
|--------------------------|---------------------------------------|
| 稀释比 (Dilution Ratio)     | WB 1:500-1:2000,ELISA 1:20000-1:40000 |
| 蛋白分子量 (Molecular Weight) | 29kDa                                 |

产品名称: AQP1 Rabbit Polyclonal Antibody  
产品货号: APRab07066



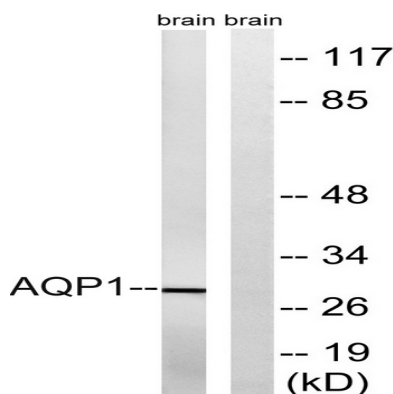
## 研究背景 (Background)

This gene encodes a small integral membrane protein with six bilayer spanning domains that functions as a water channel protein. This protein permits passive transport of water along an osmotic gradient. This gene is a possible candidate for disorders involving imbalance in ocular fluid movement. [provided by RefSeq, Aug 2016],domain:Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA),function:Forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient,miscellaneous:Pharmacologically inhibited by submillimolar concentrations of mercury,online information:Blood group antigen gene mutation database,online information:Liquid states - Issue 36 of July 2003,polymorphism:AQP1 is responsible for the Colton blood group system. Approximately 92% of Caucasians are Co(A+B-) (Ala-46), approximately 8% are Co(A+B+), and only 0.2% are Co(A-B+) (Val-46). Co(A-B-) which is very rare, is due to a complete absence of AQP1,similarity:Belongs to the MIP/aquaporin (TC 1.A.8) family.,subunit:Homotetramer,tissue specificity:Expressed in a number of tissues including erythrocytes, renal tubules, retinal pigment epithelium, heart, lung, skeletal muscle, kidney and pancreas. Weakly expressed in brain, placenta and liver.,

## 研究领域 (Research Area)

Cell Biology

## 图片 (Image Data)



Western blot analysis of lysates from rat brain cells, using AQP1 Antibody. The lane on the right is blocked with the synthesized peptide.

## 注意事项 (Note)

For research use only .