

Anti-AQP1 / Aquaporin 1 Antibody
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18207**Specification**

Anti-AQP1 / Aquaporin 1 Antibody - Product Information

Application	WB, IHC-P, E
Primary Accession	P29972
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	28526

Anti-AQP1 / Aquaporin 1 Antibody - Additional Information**Gene ID 358**Alias Symbol **AQP1****Other Names**

AQP1, Aquaporin-1, AQP-1, AQP-CHIP, Aquaporin 1, Aquaporin-CHIP, CHIP28, Colton blood group, Urine water channel, CO

Target/Specificity

Human AQP1 / Aquaporin 1

Reconstitution & Storage

Caprylic acid and ammonium sulfate precipitation

Precautions

Anti-AQP1 / Aquaporin 1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-AQP1 / Aquaporin 1 Antibody - Protein Information**Name** AQP1 ([HGNC:633](#))**Synonyms** CHIP28**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 (PubMed:1373524). Component of the ankyrin-1 complex, a multiprotein complex involved in the stability and shape of the erythrocyte membrane (PubMed:35835865).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Detected in erythrocytes (at protein level). 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

Anti-AQP1 / Aquaporin 1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-AQP1 / Aquaporin 1 Antibody - Images