

AQP1 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251831

Unit: 0.1 mg

Description:

Aquaporin-1 (AQP1) 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. 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. AQP1 is pharmacologically inhibited by submillimolar concentrations of mercury.

Isotype: Rabbit Ig

Applications: E, WB, IHC, ICC

Species Reactivity: H, M, R

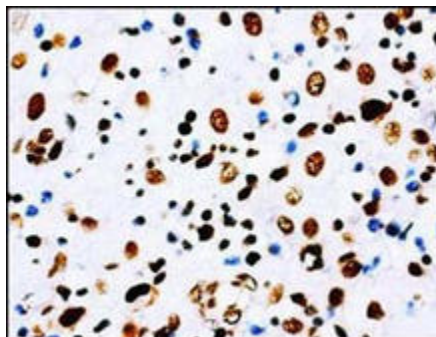
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4, 5% BSA with 0.09% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Aquaporin-1; AQP-1; Aquaporin-CHIP; Water channel protein for red blood cells and kidney proximal tubule; Urine water channel; AQP1; CHIP28

Accession No.: P29972

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AQP1.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; ICC: 1:100-1:500



AQP1 staining in human breast cancer. Paraffin-embedded human breast cancer sections are stained with AQP1 Antibody (Cat. No. 251831) used at 1:200 dilution.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.