

Rabbit polyclonal antibody to Aquaporin 1 (243-258): Affinity purified

Catalogue No.:	R-1038-100
Description:	Aquaporin 1 is a multi-pass membrane protein expressed in tissues including renal tubules, kidney, pancreas, heart, lung and erythrocytes. Aquaporin 1 functions as a water-specific channel that provides the plasma membrane with a high permeability to water thereby allowing water to move through the membrane.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (KVTSGQVEEYDLAD) corresponding to a region (243-258) from human Aquaporin 1.
Other Names:	Aquaporin-CHIP; Water channel protein for red blood cells and kidney proximal tubule; Urine water channel; AQP-1; CHIP28; AQP1;
Accession:	P29972 AQP1_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 1.0-2.0 ug/mL is recommended for WB. Human Aquaporin 1 has a predicted length of 269 amino acids and MW of 29 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in formalin fixed and paraffin embedded tissues. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
Cross-reactivity:	Human; mouse; rat; rabbit;
Form:	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃
Reconstitution:	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
Storage:	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for a higher stability. Avoid freeze-thaw cycles
Expiry Date:	12 months after purchase

FOR RESEARCH USE ONLY
