



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

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| 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 |

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