

## Rabbit polyclonal antibody to Aquaporin 5 (245-259): Affinity purified

<b>Catalogue No.:</b>	R-1138-100
<b>Description:</b>	Aquaporin 5 functions as a water-specific channel and is expressed in secretory glands, lung and eye where it works in modulating the rate of fluid release.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (PDEDWEEQREERKKT) corresponding to a region (245-259) from human Aquaporin 5. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	Aquaporin-5; AQP-5; AQP5;
<b>Accession:</b>	P55064 AQP5_HUMAN; P47864 AQP5_RAT;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human Aquaporin 5 has a predicted length of 265 amino acids and MW of 28 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB against the antigen.
<b>Cross-reactivity:</b>	Rat; predicted to react with human and mouse due to sequence homology;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg Na <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	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
<b>Expiry Date:</b>	12 months after purchase

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