



Rabbit polyclonal antibody to Aquaporin 4 (172-188): Affinity purified

Catalogue No.:	R-1130-100
Description:	Aquaporin 4 functions as a water-specific channel which regulates body water balance and mediates water flow within the central nervous system. Aquaporin 4 is a multi-pass membrane protein expressed predominantly in the brain as well as muscle, heart, kidney, lung and trachea.
Batch No.:	See product label
Unit size:	100 ug
Antigen:	A synthetic peptide (FTIFASCDKRTDVTGS) corresponding to a region (172-188) from human Aquaporin 4. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
Other Names:	Aquaporin-4; AQP-4; WCH4; Mercurial-insensitive water channel; MIWC; AQP4;
Accession:	P55087 AQP4_HUMAN;
Produced in:	Rabbit
Purity:	Affinity purified on antigen column
Applications:	Western Blotting (WB). A concentration of 1.0 ug/mL is recommended for WB. Human Aquaporin 4 (isoform 2) has a predicted length of 323 amino acids and MW of 35 kDa. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
Specificity:	The specificity of this antibody has been confirmed by WB against the antigen.
Cross-reactivity:	Human; rat; predicted to react with mouse due to sequence homology;
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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