

AQP4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 250547

Unit: 0.1 mg

Description:

Aquaporin-4 (AQP4) is an osmoreceptor that forms a water-specific channel to regulate body water balance and to mediate water flow within the central nervous system. AQP4 is predominantly expressed in the ependymal cells lining the aqueductal system and over the space of the brain in contact with the subarachnoid space. As cerebrospinal fluid fills these structures, AQP4 facilitates water balance between brain parenchyma and fluid compartment.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: B, H, M, R

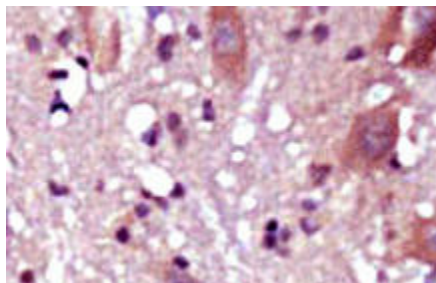
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: Aquaporin-4; AQP-4; WCH4; Mercurial-insensitive water channel; MIWC; AQP4

Accession No.: P55087

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of mouse AQP4.

Application Notes: E: 1:500-1:1,000; WB: 1:200-1:500; IHC: 1:200-1:500



AQP4 staining in rat spinal cord. Formalin-fixed paraffin-embedded rat spinal cord tissue is stained with AQP4 Antibody (Cat. No. 250547) 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.