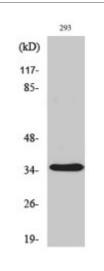


## Anti-AQP4 antibody



**Description** 

Rabbit polyclonal to AQP4.

Model STJ91657

**Host** Rabbit

**Reactivity** Human, Mouse, Rat

**Applications** ELISA, IHC, WB

**Immunogen** Synthesized peptide derived from human AQP4.

Immunogen Region 200-300 aa, Internal

**Gene ID** <u>361</u>

Gene Symbol AQP4

**Dilution range** WB 1:500-1:2000IHC 1:100-1:300ELISA 1:5000

**Specificity** AQP4 Polyclonal Antibody detects endogenous levels of AQP4 protein.

**Tissue Specificity** Brain - muscle >> heart, kidney, lung, and trachea.

**Purification** The antibody was affinity-purified from rabbit antiserum by affinity-

chromatography using epitope-specific immunogen.

**Note** For Research Use Only (RUO).

Protein Name Aquaporin-4 AQP-4 Mercurial-insensitive water channel MIWC WCH4

Molecular Weight 35 kDa

**Clonality** Polyclonal

**Conjugation** Unconjugated

**Isotype** IgG

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. **Formulation** 

1 mg/ml Concentration

Store at -20°C, and avoid repeat freeze-thaw cycles. **Storage Instruction** 

**Database Links** HGNC:637OMIM:600308

**Alternative Names** Aquaporin-4 AQP-4 Mercurial-insensitive water channel MIWC WCH4

**Function** Forms a water-specific channel. Osmoreceptor which regulates body water

balance and mediates water flow within the central nervous system.

**Sequence and Domain Family** Aquaporins contain two tandem repeats each containing three membrane-

spanning domains and a pore-forming loop with the signature motif Asn-Pro-

Ala (NPA).

Cellular Localization Membrane. Multi-pass membrane protein.

Phosphorylation by PKC at Ser-180 reduces conductance by 50%. Post-translational **Modifications** 

Phosphorylation by PKG at Ser-111 in response to glutamats increases

conductance by 40%.

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