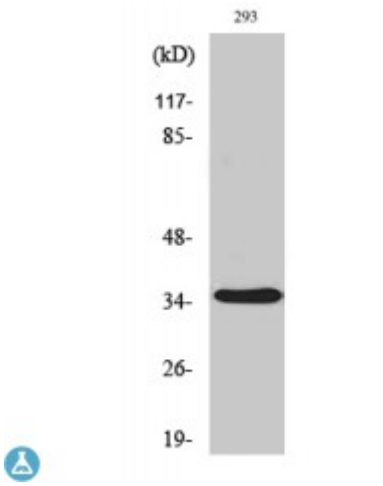
Anti-AQP4 antibody



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	361
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
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
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.
Post-translational Modifications	Phosphorylation by PKC at Ser-180 reduces conductance by 50%. Phosphorylation by PKG at Ser-111 in response to glutamats increases conductance by 40% .