ELK Biotechnology

AQP0 rabbit pAb

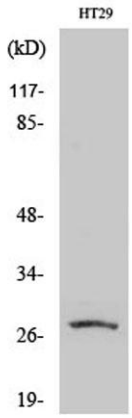
Cat No.:ES1686

For research use only

Overview

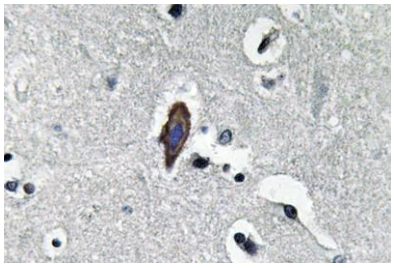
Product Name	AQP0 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human AQP0. AA range:95-144
Specificity	AQP0 Polyclonal Antibody detects endogenous levels of AQP0 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Lens fiber major intrinsic protein
Gene Name	MIP
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell junction, gap junction .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	28kD
Human Gene ID	4284
Human Swiss-Prot Number	P30301
Alternative Names	MIP; AQP0; Lens fiber major intrinsic protein; Aquaporin-0; MIP26; MP26
Background	Major intrinsic protein is a member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. The function of the fiber cell membrane

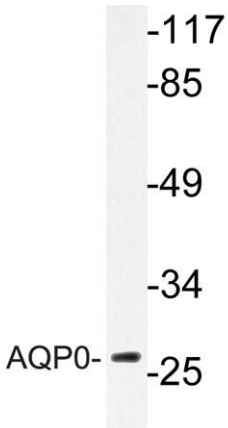
protein encoded by this gene is undetermined, yet this protein is speculated to play a role in intracellular communication. The MIP protein is expressed in the ocular lens and is required for correct lens function. This gene has been mapped among aquaporins AQP2, AQP5, and AQP6, in a potential gene cluster at 12q13. [provided by RefSeq, Jul 2008],



Western Blot analysis of various cells using AQP0 Polyclonal Antibody

Immunohistochemistry analysis of AQP0 antibody in paraffin-embedded human brain tissue.





Western blot analysis of lysate from HT-29 cells, using AQP0 antibody.

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