
Product Name: AQP0 Rabbit Polyclonal Antibody**Catalog #: APRab07064**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:10000
Molecular Weight	28kDa

Antigen Information

Gene Name	MIP
Alternative Names	MIP; AQP0; Lens fiber major intrinsic protein; Aquaporin-0; MIP26; MP26
Gene ID	4284.0
SwissProt ID	P30301
Immunogen	The antiserum was produced against synthesized peptide derived from human AQP0. AA range:95-144

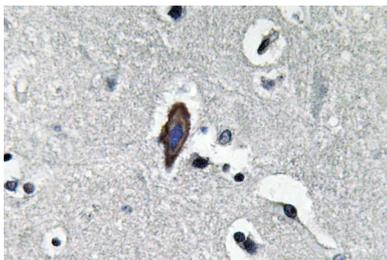
Background

Major intrinsic protein is a member of the water-transporting aquaporins as well as the original member of the MIP family of

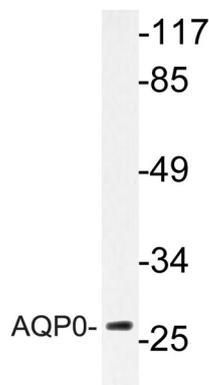
channel proteins. The function of the fiber cell membrane protein encoded by this gene is undetermined, yet this protein is speculated to play a role in intracellular communication. The MIP protein is expressed in the ocular lens and is required for correct lens function. This gene has been mapped among aquaporins AQP2, AQP5, and AQP6, in a potential gene cluster at 12q13. [provided by RefSeq, Jul 2008],disease:Defects in MIP are a cause of autosomal recessive congenital cataract [MIM:154050],.domain:Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA),.function:Water channel. May be responsible for regulating the osmolarity of the lens.,similarity:Belongs to the MIP/aquaporin (TC 1.A.8) family.,tissue specificity:Major component of lens fiber gap junctions.,

Research Area

Image Data



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



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



Western Blot analysis of various cells using AQP0 Polyclonal Antibody