AQP0 Antibody (R32054)

Catalog No.	Formulation	Size
R32054	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	P30301
Applications	Western blot: 0.1-0.5ug/ml
Limitations	This AQP0 antibody is available for research use only.



Western blot testing of rat eye lysate with AQP0 antibody. Observed molecular weight: 28-60 kDa depending on level of glycosylation.

Description

Lens fiber major intrinsic protein, also called MIP26 or MP26, is a protein that in humans is encoded by the MIP gene. MIP is a member of the water-transporting aquaporins as well as the original member of the MIP family of channel proteins. Using 2-color fluorescence in situ hybridization on high-resolution R-banded chromosomes and human genomic DNA clones for MIP as probes, this gene was found that located in close proximity in region 12q13. MIP plays a crucial role in the development of a transparent eye lens. This gene may be responsible for regulating the osmolarity of the lens and interactions between homotetramers from adjoining membranes may stabilize cell junctions in the eye lens core.

Application Notes

Optimal dilution of the AQP0 antibody should be determined by the researcher.

Immunogen

Amino acids ERLSVLKGAKPDVSNGQPEVTGEPVELNTQAL of human Aquaporin 0 were used as the immunogen for the AQP0 antibody.

Storage

After reconstitution, the AQP0 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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