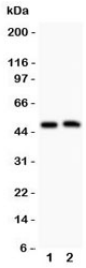
Aquaporin 0 Antibody (R31222)

Catalog No.	Formulation	Size
R31222	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/thimerosal
UniProt	P09011
Applications	Western blot: 0.5-1ug/ml
Limitations	This Aquaporin 0 antibody is available for research use only.



Western blot testing of Aquaporin 0 antibody and Lane 1: mouse spleen; 2: mouse intestine; Observed size: 28-60KD, depending on level of glycosylation

Description

Aquaporin 0, also called Lens fiber major intrinsic protein, MIP26 and MP26, is a protein that in humans is encoded by the MIP gene. It 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/Aquaporin 0 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

The stated application concentrations are suggested starting amounts. Titration of the Aquaporin 0 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of mouse Aquaporin 0 (NGQPEGTGEPVELKTQAL) was used as the immunogen for this Aquaporin 0 antibody (100% rat homology).

Storage

After reconstitution, the Aquaporin 0 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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