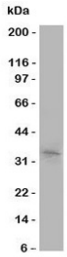
Aquaporin 10 Antibody (R31207)

Catalog No.	Formulation	Size
R31207	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
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	Q96PS8
Applications	Western blot: 0.5-1ug/ml
Limitations	This Aquaporin 10 antibody is available for research use only.



Western blot testing of Aquaporin 10 antibody and COLO320 cell lysate.

Description

Aquaporin 10 (AQP10) was identified in human small intestine. This gene encoded a 264-amino-acid protein with high sequence identity with AQP3 (53%), -9(52%), and -7(43%). These AQPs constitute one subfamily of AQP family that is differentiated from the other subfamily of AQP (AQP0, 1, 2, 4, 5, 6, and 8) by sequence homology. In situ hybridization analysis demonstrated highest expression of AQP10 in absorptive epithelial cells at the tips of villi in the jejunum. SDS-PAGE analysis showed expression of a 28-kD protein, similar to its predicted size as well as to that of the other AQPs. Functional analysis indicated that cells expressing AQP10 are permeable to relatively low amounts of water, but, unlike AQP3, -7, and -9, are not permeable to urea or glycerol.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Aquaporin 10 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human Aquaporin 10 (SELETPASAQMLECKL) was used as the immunogen for this Aquaporin 10 antibody.

Storage

After reconstitution, the Aquaporin 10 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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