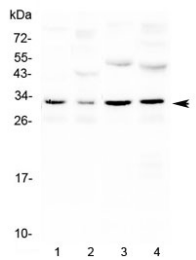
Aquaporin 3 Antibody (R32778)

Catalog No.	Formulation	Size
R32778	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse, Rat
Predicted 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, 0.025% sodium azide
UniProt	Q8R2N1
Applications	WB: 0.5-1ug/ml
Limitations	This Aquaporin 3 antibody is available for research use only.



Western blot testing of 1) mouse kidney, 2) mouse brain, 3) rat kidney and 4) rat brain with Aquaporin 3 antibody at 0.5ug/ml. Predicted molecular weight ~32 kDa.

Description

Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein, also known as AQP0/Aquaporin 0. Aquaporin 3 is localized at the basal lateral membranes of collecting duct cells in the kidney. In addition to its water channel function, Aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms. Alternative splicing of this gene results in multiple

transcript variants encoding different isoforms.

Application Notes

Optimal dilution of the Aquaporin 3 antibody should be determined by the researcher.

Immunogen

Amino acids 122-137 (LYYDAIWAFANNELFV) from the mouse protein were used as the immunogen for the Aquaporin 3 antibody.

Storage

After reconstitution, the Aquaporin 3 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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