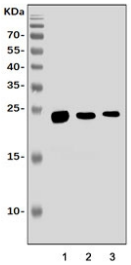
Aquaporin 1 Antibody / Aqp1 (RQ6450)

Catalog No.	Formulation	Size
RQ6450	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
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	P29972
Applications	Western blot: 0.5-1ug/ml
Limitations	This Aquaporin 1 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) rat kidney and 3) mouse kidney tissue lysate with Aquaporin 1 antibody. Expected molecular weight: 23-28 kDa.

Description

Aquaporin 1 is a 28-kD integral protein thought at first to be a breakdown product of the Rh polypeptide but was later shown to be a unique molecule that is abundant in erythrocytes and renal tubules. AQP1 is also expressed by the choroid plexus and various other tissues. It forms a water-specific channel that provides the plasma membranes of red cells and kidney proximal tubules with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.

Application Notes

Optimal dilution of the Aquaporin 1 antibody should be determined by the researcher.

Immunogen

Amino acids QVEEYDLDADDINSR were used as the immunogen for the Aquaporin 1 antibody.

Storage

After reconstitution, the Aquaporin 1 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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