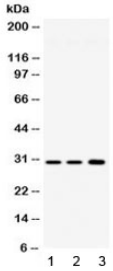
AQP11 Antibody / Aquaporin 11 (R32512)

Catalog No.	Formulation	Size
R32512	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	Q8NBQ7
Localization	Cytoplasmic
Applications	Western blot: 0.5-1ug/ml
Limitations	This AQP11 antibody is available for research use only.



Western blot testing of 1) rat brain, 2) mouse brain and 3) human HeLa lysate with AQP11 antibody at 0.5ug/ml. Predicted molecular weight 26~30 kDa.

Description

AQP11 has a unique asparagine-proline-alanine (NPA) box distinct from those of other AQPs, suggesting a different pore structure and function. Using Northern blot analysis, they detected highest expression of mouse Aqp11 in testis, followed by liver and kidney. Expression was much weaker in heart, brain, and muscle. Western blot analysis of mouse kidney membrane fractions detected Aqp11 at an apparent molecular mass of 26 kD, lower than the calculated molecular mass of 30 kD. Immunohistochemical analysis localized Aqp11 to mouse renal proximal tubule cells, where it showed a

perinuclear distribution. Fluorescence-tagged Aqp11 localized with an endoplasmic reticulum marker.

Application Notes

Differences in protocols and secondary/substrate sensitivity may require the AQP11 antibody to be titrated for optimal performance.

Immunogen

Amino acids 35-70 (ARQQLHRPVAHAFVLEFLATFQLCCCTHELQLLSEQ from the human protein were used as the immunogen for the AQP11 antibody.

Storage

After reconstitution, the AQP11 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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