

## Anti-AQP11 Antibody Picoband® Biotin Conjugated

Catalog Number: PB10044-Biotin

### About AQP11

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.

### Overview

Product Name	Anti-AQP11 Antibody Picoband® Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q8NBQ7

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human AQP11, different from the related mouse sequence by two amino acids, and from the related rat sequence by three amino acids.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by

end users.  
ELISA, Optimal dilutions should be determined by end users.

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