

Datasheet for ABIN5647736
anti-AQP11 antibody (AA 35-70)



[Go to Product page](#)

1 Image

Overview

Quantity:	100 µg
Target:	AQP11
Binding Specificity:	AA 35-70
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP11 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Amino acids 35-70 (ARQQLHRPVAHAFVLEFLATFQLCCCTHELQLLSEQ from the human protein were used as the immunogen for the AQP11 antibody.
Isotype:	IgG
Purification:	Antigen affinity purified

Target Details

Target:	AQP11
Alternative Name:	AQP11 / Aquaporin 11 (AQP11 Products)
Background:	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

Target Details

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.

UniProt: [Q8NBQ7](#)

Application Details

Application Notes: Western blot: 0.5-1 µg/mL

Restrictions: For Research Use only

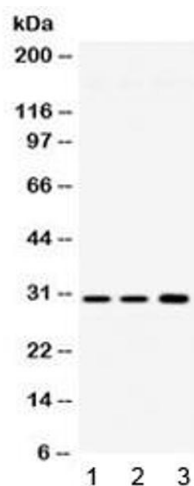
Handling

Buffer: 0.5 mg/mL if reconstituted with 0.2 mL sterile DI water

Storage: -20 °C

Storage Comment: After reconstitution, the AQP11 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. 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 ~30 kDa.