Datasheet for ABIN4886472

anti-AQP11 antibody (N-Term)

1 Image

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Overview

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

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Aquaporin-11(AQP11) detection. Tested with WB in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the N-terminus of human AQP11 (35-70aa ARQQLHRPVAHAFVLEFLATFQLCCCTHELQLLSEQ), different from the related mouse sequence by two amino acids, and from the related rat sequence by three amino acids.
Sequence:	ARQQLHRPVA HAFVLEFLAT FQLCCCTHEL QLLSEQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Aquaporin-11(AQP11) detection. Tested with WB in Human,Mouse,Rat. Gene Name: aquaporin 11

Product Details

	Protein Name: Aquaporin-11
Purification:	Immunogen affinity purified.

Target Details

Target:	AQP11
Alternative Name:	AQP11 (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 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. Synonyms: AQP11 | AQP-11 |AQP 11 | Aquaporin11 | Aquaporin-11 | Aquaporin 11 | Q8NBQ7
Gene ID:	282679

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 μg/mL, Tested Species: Human, Mouse, Rat Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.
Restrictions:	For Research Use only

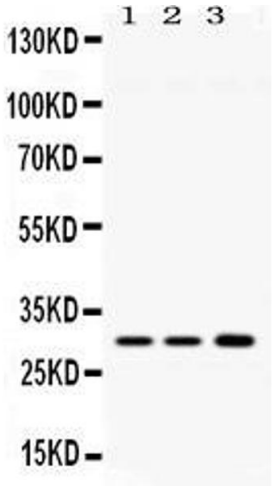
Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 μg/mL.
Concentration:	500 μg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Western blot analysis of AQP11 expression in rat brain extract (Lane 1), mouse brain extract (Lane 2) and HELA whole cell lysates (Lane 3). AQP11 at 30KD was detected using rabbit anti AQP11 Antigen Affinity purified polyclonal antibody (Catalog #) at 0.5 ??g/mL. The blot was developed using chemiluminescence (ECL) method (Catalog # EK1002).