



RABBIT ANTI-RAT AQUAPORIN 2 AFFINITY PURIFIED POLYCLONAL ANTIBODY

CATALOG NO:	AB3066
LOT NUMBER:	
QUANTITY:	50 µg
CONCENTRATION:	1.0 mg/mL
SPECIFICITY:	Aquaporin 2 (AQP-CD/WCH-CD).
IMMUNOGEN:	A 15 amino acid C-terminal peptide from rat AQP2. This peptide is predicted to be cytoplasmic.
APPLICATIONS:	<u>Western Blotting:</u> 1-10 µg/mL for affinity pure antibody using Chemiluminescence technique. An antibody made to the AQP2 peptide detected a major band at ~29 kDa in rat kidney cortex, and 35-47 kDa in inner and outer medulla (postranslational or glycosylation) (2). A similar pattern is seen in the human kidney (3). <u>Immunohistochemistry:</u> Not tested. It is recommended that the antibody be used at 2-10 µg/mL in paraformaldehyde fixed sections of tissues. AQP2 has been localized in apical membranes (1,2). <u>ELISA:</u> 0.5-1.0 µg/mL using 1 µg/mL control peptide/well. Optimal working dilutions must be determined by end user.
SPECIES REACTIVITIES:	Rat. The antibody has not yet been tested for cross-reactivity to other species. The immunogen sequence has 100% homology with mouse and 93% homology with human AQP2.
FORMAT:	Affinity purified immunoglobulin.
PRESENTATION:	Purified rabbit polyclonal in buffer containing PBS with 0.1% BSA.
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.
RELATED REFERENCES:	(1) <i>Nature</i> (1993) 361 :549-552 (2) <i>PNAS</i> (1993) 90 :11663-11667, <i>J. Clin. Invest.</i> (1995) 95 :2291-2296 (3) <i>J. Clin. Invest.</i> (1994) 93 :1250-1256
Important Note:	<i>During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.</i>

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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