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RABBIT ANTI-RAT AQUAPORIN 3
AFFINITY PURIFIED
POLYCLONAL ANTIBODY

CATALOG NO: AB3067

LOT NUMBER:

QUANTITY: 50 μg

CONCENTRATION: 1.0 mg/mL

SPECIFICITY: Aquaporin 3 (AQP3/GLIP).

IMMUNOGEN: A 15 amino acid C-terminal peptide from rat AQP3. This peptide is predicted to be cytoplasmic.

APPLICATIONS: Western Blotting: 1-10 μg/mL for affinity pure antibody using Chemiluminescence technique. An antibody made to the AQP3 peptide detected a major band at ~27 kDa and a broader band at 33-40 kDa in membranes from outer rat medulla (2), in rat kidney cortex, and 35-47 kDa in inner and outer medulla (postranslational or glycosylation) (2). A similar heterogeneity, attributed to glycosylation, has been observed for AQP2.

Immunohistochemistry: 2-10 μg/mL in paraformaldehyde fixed sections of tissues. AQP2 has been localized in basolateral region of collecting ducts (1,2). Adherent cells can be fixed in 50% methanol-50% acetone or 1% paraformaldehyde.

ELISA: 1:100,000 using 50-100 ng control peptide (Catalog Number AG776)/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 peptide has 92% homology with mouse AQP3 and 85% with human and ovine AQP3.

FORMAT: Affinity purified immunoglobulin.

PRESENTATION: Liquid in 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.

REFERENCE: Kreda, S.M., et al., *Am. J. Respir. Cell Mol. Biol.* (2001) **24**:224-234.

RELATED REFERENCES: (1) *Proc. Natl. Acad. Sci.* (1994) **91**:6269-6273
Proc. Natl. Acad. Sci. (1994) **91**:10997-11000
J. Biol. Chem (1994) **269**:21845-21849
(2) *Am. J. Physiol..* (1995) **269**:F663-F672

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200μL 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.*

For research use only; not for use as a diagnostic.