

**RABBIT ANTI-Na⁺-HCO³⁻ COTRANSPORTER 1 (NBC1)
AFFINITY PURIFIED
POLYCLONAL ANTIBODY**

- CATALOG NUMBER:** AB3290P
- LOT NUMBER:**
- QUANTITY:** 50 µg
- CONCENTRATION:** 1 mg/mL
- SPECIFICITY:** Recognizes rat Na⁺-HCO³⁻ (NBC1). The immunogen is unique to the kidney isoforms and is not found in the pancreatic/heart isoforms. No significant homology with NBC2 or NBC3.
- IMMUNOGEN:** A 19 amino acid peptide sequence within the cytoplasmic N-terminus of rat NBC1 (1).
- APPLICATIONS:** Western blot: 1-10 µg/mL using ECL.
Immunohistochemistry: not tested. It is recommended that the antibody be tried at 2-20 µg/mL on paraformaldehyde fixed tissue.
ELISA: 1:10,000-1:100,000 using 50-100 ng control peptide per well.
Optimal working dilutions must be determined by the end user.
- SPECIES REACTIVITIES:** Rat. Reactivity with other species has not been confirmed. The immunogen sequence is 100% conserved in mouse, 94% in human and rabbit.
- FORMAT:** Affinity purified immunoglobulin.
- PRESENTATION:** Liquid in PBS, with 0.1% BSA and 0.05% sodium azide.
- 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) Romero MF et al (1998) *Am. J. Physiol.* **274**:F425-F432.
 - 2) Burnham CE et al (1997) *J. Biol. Chem.* **272**:19111-19114.
 - 3) Abuladze N et al (1998) *J. Biol. Chem.* **273**:17689-17695;
 - 4) Giffard RG et al (2000) *J. Neurochem.* 20(3)
 - 5) Solemani M & Burnham CE et al (2000) *Kidney Intl.* **57**:371-384 (review)
 - 6) Romero MF & Boron WF et al (1999) *Ann. Rev. Physiol.* **61**:699-723 (review).

Important Note: *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.*

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