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RABBIT ANTI-ANION EXCHANGER 1 (AE1) AFFINITY PURIFIED POLYCLONAL ANTIBODY

CATALOG NUMBER: AB3500P

LOT NUMBER:

QUANTITY: 50 µg

CONCENTRATION: 1 mg/mL

SPECIFICITY: Recognizes rat Anion Exchanger 1 (AE1). The immunogen shows no significant sequence homology with other AE or other proteins.

IMMUNOGEN: A 20 amino acid peptide sequence near the N-terminus of rat AE1 (1).

APPLICATIONS: Western blot: 1-10 µg/mL using ECL. AE1 has a molecular weight of approximately 90-100 kDa. It aggregates easily forming dimers and multimers. It may also be proteolytically processed to smaller fragments of 60, 40 and 20 kDa.
Immunohistochemistry: not tested. It is recommended that the antibody be tried at 2-10 µg/mL on paraformaldehyde fixed tissue.
ELISA: 0.5-1.0 µg/mL using 1 µg/mL control peptide per well.
Optimal working dilutions must be determined by the end user.

SPECIES REACTIVITIES: Rat. The immunogen sequence is 85% conserved in mouse, 70% in human and 75% in bovine. Reactivity with other species has not been confirmed.

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.

RELATED REFERENCES:
1) Kudrycki KE et al (1989) *J Biol Chem.* **264**:8185; Kopito RR et al (1985) *Nature* **316**:234; Raida M et al (1989) *BBA* **980**:291; Lux SE et al (1989) *PNAS* **86**:9089; Tanner MJ et al (1988) *Biochem. J.* **256**:703.

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 IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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