

**RABBIT ANTI-SODIUM PUMP ALPHA 2
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AB9094
LOT NUMBER:	
QUANTITY:	100 µL
SPECIFICITY:	Reacts with Sodium Pump (Na ⁺ pump (Na ⁺ -K ⁺ -ATPase)) alpha 2 isoform. The antibody does not cross react with other Na ⁺ -K ⁺ -ATPase alpha isoforms.
IMMUNOGEN:	Synthetic peptide.
APPLICATIONS:	Western blot: 1:2,000-1:4,000 for brain and 1:1,000-1:2,000 for muscle. The antibody recognizes a specific band at ~100 kDa. Heat the sample to 37°C in standard Laemmli for 30 minutes (don't boil). Boiling causes some sodium pump heteromers to clench together giving a band at ~150 kDa. Suggested dilution buffer is TBST with 1% BSA containing a preservative. Suggested gel percentage is 7.5%. Immunoprecipitation: see <i>Journal of Biological Chemistry</i> (2004) 279:2885-2893. Optimal working dilutions must be determined by the end user.
POSITIVE CONTROL:	Brain, muscle, nerves, fat.
SPECIES REACTIVITIES:	Rat. Other species have not been tested. It is expected that the antibody will also recognize other mammalian species.
FORMAT:	Rabbit serum.
PRESENTATION:	Liquid.
STORAGE/HANDLING:	Maintain at -20°C in undiluted for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.
REFERENCES:	Lencesova, L., et al., <i>Journal of Biological Chemistry</i> (2004) 279 :2885-2893. Rhee, MS., et al., <i>Am J Physiol Cell Physiol</i> (2004) in press.

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

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.*