



**RABBIT ANTI-SODIUM CALCIUM EXCHANGER 1 (NCX1)
AFFINITY PURIFIED
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AB3516P
LOT NUMBER:	
QUANTITY:	50 µg
CONCENTRATION:	1.0 mg/mL
SPECIFICITY:	Recognizes rat Sodium Calcium Exchanger 1 (NCX1). The immunogen shows no significant sequence homology with other NCX proteins.
IMMUNOGEN:	A 23 amino acid peptide sequence within the cytoplasmic domain 3 rat NCX1 (1).
APPLICATIONS:	<u>Western blot</u> : 1-10 µg/mL using ECL. <u>Immunohistochemistry</u> : not tested. It is recommended that the antibody be tried at 5-20 µg/mL on paraformaldehyde fixed tissue. <u>ELISA</u> : 0.5-1 µg/mL using 1 µg/mL 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 peptide is 100% conserved in mouse, canine and feline, 95% in human, rabbit, monkey and bovine, 86% in chicken and 73% in frog NCX1.
FORMAT:	Affinity purified immunoglobulin.
PRESENTATION:	Liquid in PBS containing 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) Low W et al (1993) <i>FEBS Lett.</i> 316 , 63; Furman I et al (1993) <i>FEBS Lett.</i> 319 , 105; Lee SL et al (1994) <i>J Biol. Chem.</i> 269 , 14849; Nicoll DA et al (1996) <i>J Biol. Chem.</i> 271 , 24914; Kumoro I et al (1992) <i>PNAS</i> 89 , 4769; Blaustein MP and Lederer J (1999) <i>Physiol Rev.</i> 79 , 763-854 (review).
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>

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

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