



RABBIT ANTI-ARGININE VASOPRESSIN RECEPTOR (AVPR-V2) AFFINITY PURIFIED POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB1797P	QUANTITY:	50 µg
LOT NUMBER:		CONCENTRATION:	1.0 mg/mL
SPECIFICITY:	Arginine vasopressin receptor (AVP-V2), rat. The peptide used for immunization has no significant similarity with AVP V1a or V1b receptors.		
IMMUNOGEN:	21 amino acid peptide from the 3rd cytoplasmic domain of rat AVP-V2 (1).		
APPLICATIONS:	<p><u>Western blot:</u> 1-10 µg/mL using ECL. An antibody raised against this peptide has detected a glycosylated band at ~62 kDa in membranes from rat inner medulla (2). N-Glycanase reduced the size to ~36 kDa (deglycosylated form).</p> <p><u>Immunohistochemistry:</u> 2-10 µg/mL on paraformaldehyde fixed tissue. AVP-V2 has been localized in terminal IMCD and other areas of rat kidney (2).</p> <p><u>ELISA:</u> 0.5-1.0 µg/mL using 1 µg/mL of control peptide to coat plate. Optimal working dilutions must be determined by the end user.</p>		
SPECIES REACTIVITY:	Rat. The immunogen peptide has 95% homology with mouse, 90% with human, 80% with porcine and 76% with bovine. Has not been tested for reactivity to other species.		
FORMAT:	Affinity purified immunoglobulin.		
PRESENTATION:	Liquid in PBS containing 0.1% BSA .		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to six months after date of receipt. Avoid repeated freeze/thaw cycles.		
RELATED REFERENCES:	1) Lolait, S., et al., <i>Nature</i> (1992) 357 :336-339; Firsov, D., et al., <i>Pflugers Arch</i> (1994) 429 :79-89.		
	2) Nonoguchi, H., et al., <i>J. Clin. Invest.</i> (1995) 96 :1768-1778.		

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.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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