



BMA BIOMEDICALS



Peninsula Laboratories

Rabbit anti (Arg⁸)-Vasopressin

(Arg⁸)-Vasopressin or Argipressin is an antidiuretic peptide hormone that plays a key role in maintaining plasma osmolality. The peptide released from the posterior pituitary gland promotes renal tubular reabsorption of water. In high concentration, it also raises blood pressure by inducing moderate vasoconstriction. Argipressin is involved in the control of circadian rhythm, thermoregulation, and ACTH release in the brain.

This antibody was generated by immunization of rabbits with (Arg⁸)-Vasopressin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4561 (Lot 070319-0)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	1.0 ml
Format:	Diluted antiserum, lyophilized. This stock solution contains 0.1M sodium phosphate buffer (pH 7.4), 0.05M NaCl, 0.1% BSA, 0.01% NaN ₃ , and 0.1% Triton X-100. Reconstitute by adding 1.0 ml of distilled water.
Stability and Storage:	Original vial: 1 year at 4° - 8°C from date of purchase. Stock solution and aliquots thereof: 1 year at -20°C. Avoid freeze-thaw cycles.
Immunogen:	Synthetic peptide H-Cys-Tyr-Phe-Gln-Asn-Cys-Pro-Arg-Gly-NH ₂ , (Disulfide bond) coupled to carrier protein.

Cross-Reactivity:

PEPTIDE	%
[Arg ⁸]-Vasopressin	100
[d(CH ₂) ₅ ¹ ,D-Ile ² ,Ile ⁴ ,Arg ⁸]-Vasopressin	100
[Arg ⁸]-Vasotocin	100
[Lys ⁸]-Vasopressin	38
[Desamino-Cys ¹ ,D-Arg ⁸]-Vasopressin	0.8
[Pyr ⁴ ,Cys(H-Cys-OH) ⁶ ,Arg ⁸]-Vasopressin (4-8)	0

Cross-Reactivity:

PEPTIDE	%
α -ANP 1-28 (human, canine)	0
Oxytocin	0
ACTH (1-39) (human)	0
LH-RH	0
Met-Enkephalin	0
PACAP (1-38) amide (human, ovine, rat)	0
PACAP (1-27) amide (human, ovine, rat)	0

Applications:

Tested in ELISA against (Arg⁸)-Vasopressin. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well.

Optimal dilutions should be determined by the end user.

Please see **bma.ch** for protocols and general information.

Related Products:

T-4563: Rabbit anti [Arg⁸]-Vasopressin, neat antiserum

T-4561: Rabbit anti [Arg⁸]-Vasopressin, diluted antiserum

T-4562: Rabbit anti [Arg⁸]-Vasopressin, purified IgG

S-1357: ELISA, extraction-free for human serum and plasma samples

S-1358: ELISA, extraction-free for rat serum and plasma samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.