



BMA BIOMEDICALS



Peninsula Laboratories

T-5047

Guinea pig 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 guinea pigs with (Arg⁸)-Vasopressin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

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|----------------------|---|
| Lot number: | n/a |
| Host species: | Guinea pig |
| Quantity: | 50ml |
| Format: | This polyclonal antibody is supplied as a lyophilized powder. The powder should be rehydrated with 50ml of RIA buffer. Upon reconstitution to 50ml total volume, the 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. Store at 4° - 8°C. This should ensure antibody stability for approximately one month. |
| Stability: | Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below. |
| Applications: | This antibody has been tested and validated in ELISA against (Arg ⁸)-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 www.bma.ch for protocols and general information. |
| 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 | 0.06 |
| [Lys ⁸]-Vasopressin | 0.04 |
| Desamino-Cys ¹ ,[D-Arg ⁸]-Vasopressin | 0.02 |
| Oxytocin | 0 |
| Met-Enkephalin | 0 |
| PACAP 38 (human, ovine, rat) | 0 |

Related Products: T-4563: rabbit anti (Arg⁸)-Vasopressin, neat antiserum
 T-5048: guinea pig anti (Arg⁸)-Vasopressin, neat antiserum
 S-1234: ELISA, high sensitivity for extracted samples
 S-1357: ELISA, extraction-free for human samples
 S-1358: ELISA, extraction-free for rat samples

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

T-5047

diluted antiserum

03.02.2021