BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti (Arg8)-Vasopressin

(Arg^8)-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 (Arg^8)-Vasopressin coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Catalog Number:	T-4562 (Lot A07166)
Clonality:	Polyclonal
Host species:	Rabbit IgG
Reactivity:	Human, Mouse, Rat, Porcine, Bovine, Chicken, Vertebrate, Monkey, Rabbit, Others
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative. Reconstitute by adding 0.2ml 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.
Protein database:	n/a

Cross-Reactivity:

PEPTIDE	%
[Arg^8]-Vasopressin	100
[[D(CH_2)$_5$^{1}, D-Ile^2,Ile^4,Arg^8]-Vasopressin	100

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Cross-Reactivity:

PEPTIDE	%
[Arg^{8}]-Vasotocin	100
[Lys^{8}]-Vasopressin	38
[Desamino-Cys^{1}, D-Arg^{8}]-Vasopressin	0.8
Vasopressin	0
Pressinoic Acid	0
ANF (1-28) (human)	0
Oxytocin	0
ACTH (1-39) (human)	0
LHRH	0
Met-Enkephalin	0
PACAP 38 (human, mouse, ovine, porcine, rat)	0
PACAP 27 (human, mouse, ovine, porcine, rat)	0

Applications:

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

Approximate working dilution for IHC:
Paraffin sections: (1:800); pretreatment with Proteinase K for antigen retrieval is recommended.

Optimal dilutions should be determined by the end user.

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

Related Products:

T-4563: (Arg8)-Vasopressin, neat antiserum
T-5048: (Arg8)-Vasopressin, gp, neat antiserum,
S-1234: (Arg8)-Vasopressin, ELISA, high sensitivity for extracted samples
S-1357: (Arg8)-Vasopressin, ELISA, extraction-free for human samples
S-1358: (Arg8)-Vasopressin, ELISA, extraction-free for rat samples

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

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