BMA BIOMEDICALS

Peninsula Laboratories

Rabbit anti (Arg^8)-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-4563 (Lot A18PO21122)
Clonality:	Polyclonal
Host species:	Rabbit
Reactivity:	Human
Quantity:	50 µl
Format:	Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50 µl distilled water. This will give the equivalent of undiluted antiserum.
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
[Arg^8]-Vasotocin	100
[Lys^8]-Vasopressin	38
[Desamino-Cys^1, D-Arg^8]-Vasopressin	0.8
Vasopressin	0
Pressinoic Acid	0

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Cross-Reactivity:

Peptide:	%:
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 immunohistochemistry (IHC) and ELISA against (Arg8)-Vasopressin. Other applications like 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.

Approximate working dilution for IHC:
Frozen sections: not tested yet.
Paraffin sections: 1:500; recommended Proteinase K pre-treatment.

Related Products:

T-4562: purified IgG
T-5048: neat antiserum, host: guinea pig
S-1233: 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 no preservative and is intended for laboratory use and research purposes only. Not for diagnostic or therapeutic applications.

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