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Polyclonal Antibody to Vasopressin

Alternate names: AVP, Antidiuretic Hormone, Arginine vasopressin

Catalog No.: DP3140

Quantity: 0.5 ml

Concentration: n.d.

Host: Rabbit

Immunogen: Synthetic vasopressin bound to bovine thyroglobulin.

Applications: This antibody can be used on formalin-fixed paraffin-embedded tissue sections. Prolonged fixation in buffered formalin can destroy the epitope. The antibody may be used at a dilution of 1:50 to 1:100. It is recommended that this product be used on frozen tissue sections or specimens. Other applications not tested. Optimal dilutions of this antibody are dependent on conditions and should be determined by the user.
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Specificity: This antibody is specific for the cells of the paraventricular and supraoptic nuclei of the hypothalamus.

Storage: Store the antibody at 4°C. Do not freeze! Shelf life: one year from despatch.

Aliquoting Instructions: Do not dilute the entire reconsituted solution at once. Withdraw aliquots as needed with a micropipette and keep concentrated stock at 4°C. Dilute according to the particular application being used. In general, the 0.05M borate pH 8.0 containing 0.15M sodium chloride, 0.02% sodium azide, is a good dilutent to use with most antibodies. Avoid diluting the entire contents of the vial at once since the diluted solution may have reduced stability.

General Readings:

1. Watkins WB, Choy VJ. Immunocytochemical study of the hypothalamo-neurohypophysial system. III. Localization of oxytocin- and vasopressin-containing neurons in the pig hypothalamus. Cell Tissue Res. 1977 Jun 13;180(4):491-503. PubMed PMID: 328154.
2. Buijs RM, Swaab DF. Immuno-electron microscopical demonstration of vasopressin and oxytocin synapses in the limbic system of the rat. Cell Tissue Res. 1979;204(3):355-65. PubMed PMID: 527026.
3. E. Shen et. al. Brain