10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-AVP Antibody

Catalog # AP60880

## Product Information

| | |
|---|---|
| **Application** | WB, IHC |
| **Primary Accession** | P01185 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 17325 |

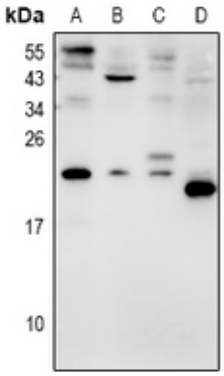
## Additional Information

| | |
|---|---|
| **Gene ID** | 551 |
| **Other Names** | ARVP; VP; Vasopressin-neurophysin 2-copeptin; AVP-NPII |
| **Target/Specificity** | KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human AVP. The exact sequence is proprietary. |
| **Dilution** | WB~~WB (1/500 - 1/1000) IHC~~1:100~500 |
| **Format** | Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| **Storage** | Store at -20 °C.Stable for 12 months from date of receipt |

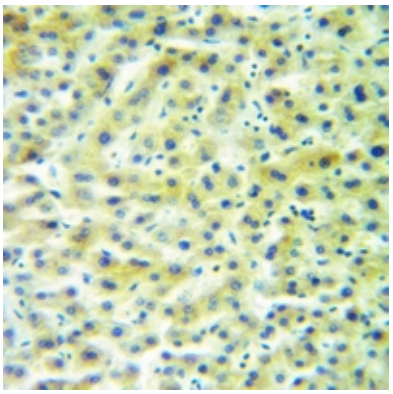
## Protein Information

| | |
|---|---|
| **Name** | AVP |
| **Synonyms** | ARVP, VP |
| **Function** | Precursor of Arg-vasopressin, an antidiuretic hormone, and neurophysin 2, its carrier protein. |
| **Cellular Location** | Cytoplasmic vesicle, secretory vesicle {ECO:0000250\|UniProtKB:P01186}. Note=The precursor protein is packaged into neurosecretory granules. {ECO:0000250\|UniProtKB:P01186} [Neurophysin 2]: Secreted {ECO:0000250\|UniProtKB:P01186}. Cytoplasmic vesicle, secretory vesicle {ECO:0000250\|UniProtKB:P01186}. Note=Following processing, Arg-vasopressin and neurophysin 2 are transported to the posterior pituitary and stored in neurosecretory granules at the nerve termini until secreted. {ECO:0000250\|UniProtKB:P01186} |

## Images




Western blot analysis of AVP expression in HEK293T (A), COS7 (B), PC12 (C), CT26 (D) whole cell lysates. (Predicted band size: 17 kD; Observed band size: 20 kD)



Immunohistochemical analysis of AVP staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.