

## Rabbit AVP Polyclonal Antibody | anti-AVP antibody

AVP Polyclonal Antibody

|                               |                       |                                                           |
|-------------------------------|-----------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA281273</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------|

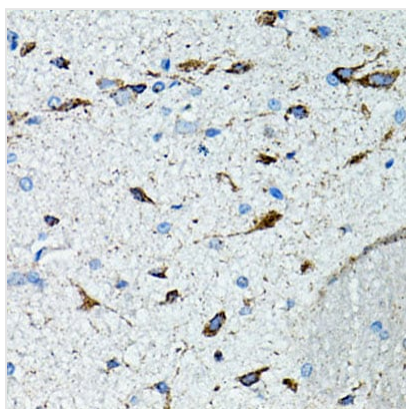
### PRODUCT SYNONYMS

AVP; Polyclonal Antibody; AVP Polyclonal Antibody; ADH; ARVP; AVP-NP11; AVRP; VP; arginine vasopressin; anti-AVP antibody

### PRODUCT SPECIFICATIONS

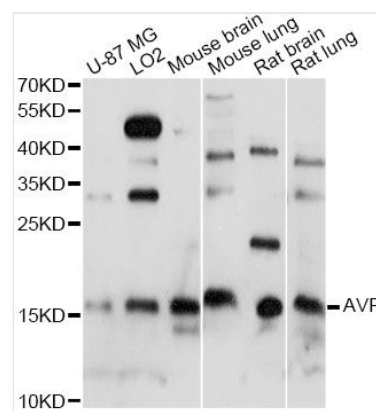
|                                               |                                                                                                                |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------|
| Host                                          | Rabbit                                                                                                         |
| Clonality                                     | Polyclonal                                                                                                     |
| Isotype                                       | IgG                                                                                                            |
| Purity/Purification                           | Affinity Purification                                                                                          |
| Form/Format                                   | PBS with 0.02% sodium azide, 50% glycerol, pH7.3.                                                              |
| Applicable Applications for anti-AVP antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                  |
| Immunogen                                     | Recombinant fusion protein containing a sequence corresponding to amino acids 20-164 of human AVP(NP_000481.2) |
| Species Reactivity/Cross Reactivity           | Human, Mouse, Rat                                                                                              |
| Preparation and Storage                       | Store at -20 degree C. Avoid freeze / thaw cycles.                                                             |

### IMAGES



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffinembedded rat brain using AVP antibody (AAA281273) at dilution of 1:100 (40x lens).



#### WB (Western Blot)

Western blot analysis of extracts of various cell lines, using AVP antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-AVP antibody | This gene encodes a member of the vasopressin/oxytocin family and preproprotein that is proteolytically processed to generate multiple protein products. These products include the neuropeptide hormone arginine vasopressin, and two other peptides, neurophysin 2 and copeptin. Arginine vasopressin is a posterior pituitary hormone that is synthesized in the supraoptic nucleus and paraventricular nucleus of the hypothalamus. Along with its carrier protein, neurophysin 2, it is packaged into neurosecretory vesicles and transported axonally to the nerve endings in the neurohypophysis where it is either stored or secreted into the bloodstream. The precursor is thought to be activated while it is being transported along the axon to the posterior pituitary. Arginine vasopressin acts as a growth factor by enhancing pH regulation through acid-base transport systems. It has a direct antidiuretic action on the kidney, and also causes vasoconstriction of the peripheral vessels. This hormone can contract smooth muscle during parturition and lactation. It is also involved in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. Mutations in this gene cause autosomal dominant neurohypophyseal diabetes insipidus (ADNDI). This gene is present in a gene cluster with the related gene oxytocin on chromosome 20. |
| Product Categories/Family for anti-AVP antibody   | Polyclonal Antibodies                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

NCBI AND UNIPROT INFORMATION

|                                  |                                                  |
|----------------------------------|--------------------------------------------------|
| NCBI GI #                        | 13259533                                         |
| NCBI GeneID                      | 551                                              |
| NCBI Accession #                 | NP_000481.2                                      |
| NCBI GenBank Nucleotide #        | NM_000490.4                                      |
| UniProt Accession #              | P01185; O14935; A0AV35                           |
| Molecular Weight                 | Calculated: 17kDa<br>Observed: 17kDa             |
| NCBI Official Full Name          | vasopressin-neurophysin 2-copeptin preproprotein |
| NCBI Official Synonym Full Names | arginine vasopressin                             |
| NCBI Official Symbol             | AVP                                              |
| NCBI Official Synonym Symbols    | VP; ADH; ARVP; AVRP; AVP-NP11                    |
| NCBI Protein Information         | vasopressin-neurophysin 2-copeptin               |
| UniProt Protein Name             | Vasopressin-neurophysin 2-copeptin               |
| UniProt Gene Name                | AVP                                              |
| UniProt Synonym Gene Names       | ARVP; VP                                         |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/avp-antibody-immunohistochemistry-western-blot-elisa/281273>