

## ADH AVP ARVP Antibody HRP Conjugated

Catalog No: #C03804H

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## Description

|                       |   |
|-----------------------|---|
| Product Name          | ADH AVP ARVP Antibody HRP Conjugated  |
| Host Species          | Rabbit  |
| Clonality             | Polyclonal  |
| Isotype               | IgG   |
| Purification          | Purified by Protein A.  |
| Applications          | IHC-P IHC-F   |
| Species Reactivity    | Hu  |
| Immunogen Description | KLH conjugated synthetic peptide derived from human ADH (CYAEDCPRG-NH2)   |
| Conjugates            | HRP   |
| Target Name           | ADH AVP ARVP  |
| Other Names           | Antidiuretic Hormone; Arginine Vasopressin; ADH; Arginine vasopressin neurophysin II; ARVP; AVP; AVP NPII; AVRP; Vasopressin neurophysin 2 copeptin precursor; Vasopressin neurophysin II copeptin; VP. |
| Accession No.         | NCBI Gene ID551   |
| Uniprot               | P01185  |
| GeneID                | 551;  |
| Excitation Emission   | N A   |
| Concentration         | 1mg ml  |
| Formulation           | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.  |
| Storage               | Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.   |

## Application Details

IHC-P=1:50-200 IHC-F=1:50-200

## Background

Vasopressin, also known as arginine vasopressin (AVP) or antidiuretic hormone (ADH), is a posterior pituitary hormone that is synthesised in the hypothalamus. Vasopressin is synthesised as a precursor protein that consists of arginine vasopressin and two associated proteins, neurophysin 2 and the glycopeptide copeptin. Vasopressin, together with its carrier protein neurophysin II, 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. 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. Vasopressin can also contract smooth muscle during parturition and lactation. It also plays a role in cognition, tolerance, adaptation and complex sexual and maternal behaviour, as well as in the regulation of water excretion and cardiovascular functions. Mutations in the vasopressin precursor cause autosomal dominant neurohypophyseal diabetes insipidus (ADNDI), which is characterised by persistent thirst, polydipsia and polyuria.

Note: This product is for in vitro research use only