

Datasheet for ABIN7265664

**anti-Vasopressin antibody (AA 20-164)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µL
Target:	Vasopressin (AVP)
Binding Specificity:	AA 20-164
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vasopressin antibody is un-conjugated
Application:	Western Blotting (WB)

## Product Details

Purpose:	AVP Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 20-164 of human AVP (NP_000481.2).
Sequence:	CYFQNCPRGG KRAMSDLELR QCLPCGPGGK GRCFGPSICC ADELGCFVGT AEALRCQEEN YLPSPCQSGQ KACGSGGRCA AFGVCCNDES CVTEPECREG FHRRARASDR SNATQLDGPA GALLLRLVQL AGAPEPFEP A QPDAY
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies
Purification:	Affinity purification

## Target Details

Target:	Vasopressin (AVP)
Alternative Name:	AVP ( <a href="#">AVP Products</a> )
Background:	<p>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.,AVP,ADH,ARVP,AVP-NP11,AVRP,VP,Signal Transduction,Cell Biology &amp; Developmental Biology,Growth factor,Neuroscience,AVP</p>
Molecular Weight:	17kDa
Gene ID:	551
UniProt:	<a href="#">P01185</a>
Pathways:	<a href="#">cAMP Metabolic Process</a>

## Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

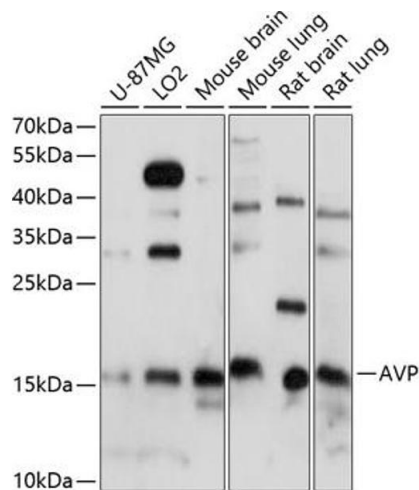
## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

**Image 1.** Western blot analysis of extracts of various cell lines, using AVP antibody (ABIN7265664) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.