

# Anti-Vasopressin V2 Receptor Antibody

Rabbit polyclonal antibody to Vasopressin V2 Receptor  
Catalog # AP60541

## Product Information

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<b>Application</b>	WB, IF/IC
<b>Primary Accession</b>	<a href="#">P30518</a>
<b>Other Accession</b>	<a href="#">O88721</a>
<b>Reactivity</b>	Human, Mouse, Rat, Monkey
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	40279

## Additional Information

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<b>Gene ID</b>	554
<b>Other Names</b>	ADHR; DIR; DIR3; V2R; Vasopressin V2 receptor; V2R; AVPR V2; Antidiuretic hormone receptor; Renal-type arginine vasopressin receptor
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Vasopressin V2 Receptor. The exact sequence is proprietary.
<b>Dilution</b>	WB~~WB (1/500 - 1/1000), IF/IC (1/100 - 1/500) IF/IC~~N/A
<b>Format</b>	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
<b>Storage</b>	Store at -20 °C. Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	AVPR2
<b>Synonyms</b>	ADHR, DIR, DIR3, V2R
<b>Function</b>	G-protein-coupled receptor for arginine vasopressin, an antidiuretic that promotes renal water reabsorption (PubMed: <a href="#">1534149</a> , PubMed: <a href="#">19440390</a> , PubMed: <a href="#">33664408</a> , PubMed: <a href="#">33742150</a> ). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (cAMP) (PubMed: <a href="#">33664408</a> , PubMed: <a href="#">33742150</a> ). AVPR2 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed: <a href="#">33664408</a> , PubMed: <a href="#">33742150</a> ).
<b>Cellular Location</b>	Cell membrane; Multi-pass membrane protein

Tissue Location

Kidney..

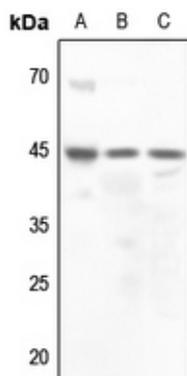
## Background

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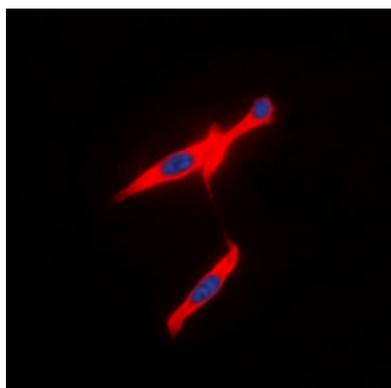
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Vasopressin V2 Receptor. The exact sequence is proprietary.

## Images

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Western blot analysis of Vasopressin V2 Receptor expression in DLD (A), mouse muscle (B), rat kidney (C) whole cell lysates.



Immunofluorescent analysis of Vasopressin V2 Receptor staining in HEK293T cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

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