

For Research Use Only

# AVPR2 Polyclonal antibody

Catalog Number: 27691-1-AP



## Basic Information

<b>Catalog Number:</b> 27691-1-AP	<b>GenBank Accession Number:</b> BC112181	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 554	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P30518	
<b>Isotype:</b> IgG	<b>Full Name:</b> arginine vasopressin receptor 2	
<b>Immunogen Catalog Number:</b> AG24835	<b>Calculated MW:</b> 371 aa, 40 kDa	
	<b>Observed MW:</b> 49 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : 769-P cells, 786-O cells, Caki-1 cells, Caki-2 cells, OS-RC-2 cells
<b>Species Specificity:</b> human	

## Background Information

AVPR2 is a Gs-coupled vasopressin receptor essential for renal water reabsorption, acting through cAMP-PKA-dependent trafficking of aquaporin-2. Localized to principal cells of the collecting duct, AVPR2 integrates hormonal cues to maintain osmotic and fluid homeostasis. Mutations lead to X-linked nephrogenic diabetes insipidus, while rare activating variants cause SIADH. Because of its central role in renal physiology and clear clinical associations, AVPR2 is a key target in water-balance disorders and pharmacologic modulation of diuresis.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

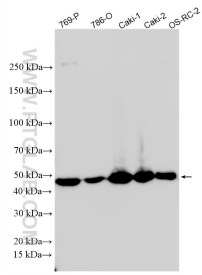
For technical support and original validation data for this product please contact:

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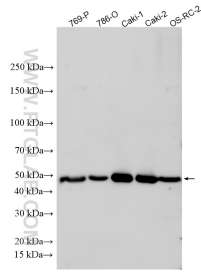
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27691-1-AP (AVPR2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



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