

For Research Use Only

# AVPR2 Polyclonal antibody, PBS Only

Catalog Number: 27691-1-PBS



## Basic Information

Catalog Number:

27691-1-PBS

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG24835

GenBank Accession Number:

BC112181

GeneID (NCBI):

554

UNIPROT ID:

P30518

Full Name:

arginine vasopressin receptor 2

Calculated MW:

371 aa, 40 kDa

Observed MW:

49 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

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 -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

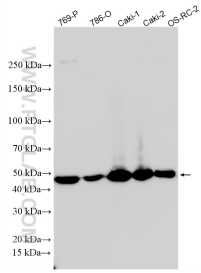
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 27691-1-PBS in a different storage buffer formulation.