

For Research Use Only

AVPR2 Polyclonal antibody

Catalog Number:27691-1-AP



Basic Information

Catalog Number:

27691-1-AP

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

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : 769-P cells, 786-O cells, Caki-1 cells, Caki-2 cells, OS-RC-2 cells

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

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

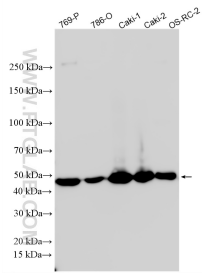
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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.