

For Research Use Only

AVPR2 Polyclonal antibody, PBS Only

Catalog Number: 27691-1-PBS



Basic Information

Catalog Number: 27691-1-PBS	GenBank Accession Number: BC112181	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 554	
Source: Rabbit	UNIPROT ID: P30518	
Isotype: IgG	Full Name: arginine vasopressin receptor 2	
Immunogen Catalog Number: AG24835	Calculated MW: 371 aa, 40 kDa	
	Observed MW: 49 kDa	

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

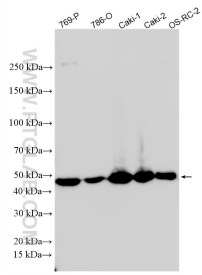
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.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.