

**AVPR2 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP21193b**

**Specification**

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**AVPR2 Antibody (C-term) - Product Information**

Application	WB, FC,E
Primary Accession	<a href="#">P30518</a>
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Calculated MW	40279
Antigen Region	343-377

**AVPR2 Antibody (C-term) - Additional Information**

**Gene ID** 554

**Other Names**

Vasopressin V2 receptor, V2R, AVPR V2, Antidiuretic hormone receptor, Renal-type arginine vasopressin receptor, AVPR2, ADHR, DIR, DIR3, V2R

**Target/Specificity**

This AVPR2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 343-377 amino acids from the C-terminal region of human AVPR2.

**Dilution**

WB~~1:2000

FC~~1:25

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

AVPR2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**AVPR2 Antibody (C-term) - Protein Information**

**Name** AVPR2

**Synonyms** ADHR, DIR, DIR3, V2R

**Function** Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Involved in renal water reabsorption.

**Cellular Location**

Cell membrane; Multi-pass membrane protein

**Tissue Location**

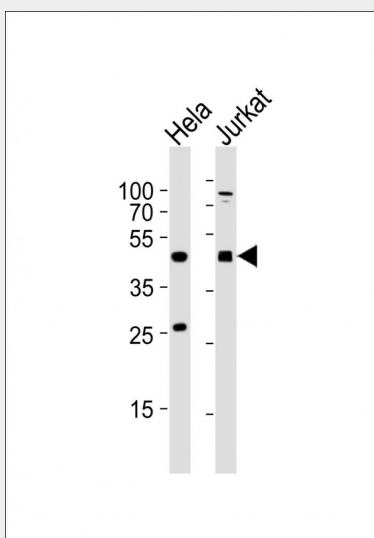
Kidney.

**AVPR2 Antibody (C-term) - Protocols**

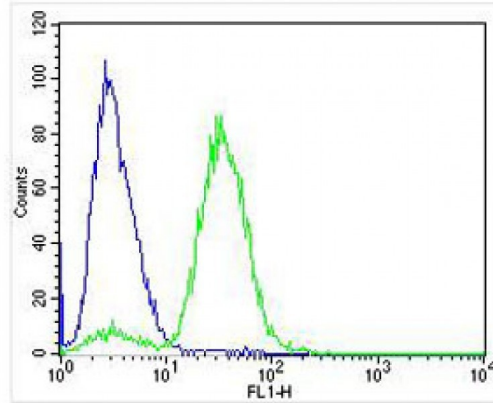
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**AVPR2 Antibody (C-term) - Images**



All lanes : Anti-AVPR2 Antibody (C-term) at 1:2000 dilution Lane 1: HeLa whole cell lysates Lane 2: Jurkat whole cell lysates Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 40 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing Jurkat cells stained with AP21193b (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then incubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ( , 1:25 dilution) for 60 min at 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10<sup>6</sup> cells) used under the same conditions. Acquisition of >10, 000 events was performed.

#### **AVPR2 Antibody (C-term) - Background**

Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase. Involved in renal water reabsorption.

#### **AVPR2 Antibody (C-term) - References**

- Seibold A.,et al.Am. J. Hum. Genet. 51:1078-1083(1992).
- Birnbaumer M.,et al.Nature 357:333-335(1992).
- Wildin R.S.,et al.Am. J. Hum. Genet. 55:266-277(1994).
- Fay M.J.,et al.Peptides 17:477-481(1996).
- North W.G.,et al.Cancer Res. 58:1866-1871(1998).