10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

AVPR2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP21193b

Specification

AVPR2 Antibody (C-term) - Product Information

Application	**WB, FC,E**
Primary Accession	P30518
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
E~~Use at an assay dependent concentration.

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

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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

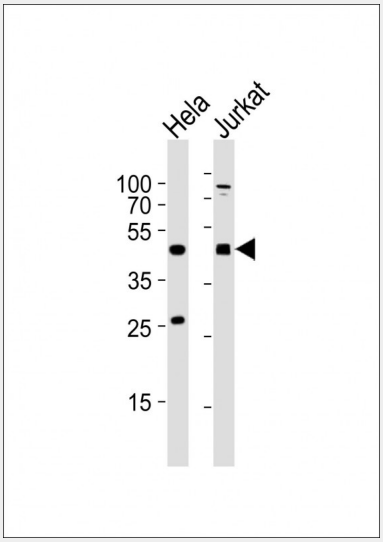
Tissue Location
Kidney.

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 Cytomety
- 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 µg 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.

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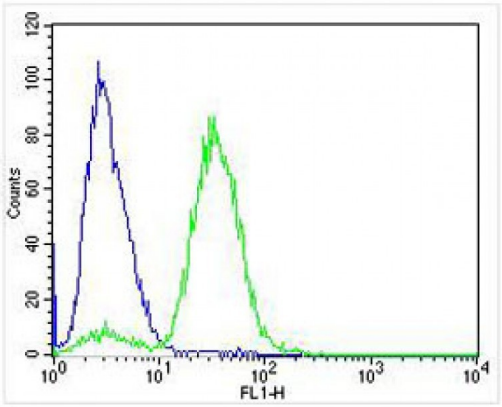

Overlay histogram showing Jurkat cells stained with AP21193b (green line). The cells were fixed with 4% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by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

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Birnbaumer M.,et al.Nature 357:333-335(1992).
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Fay M.J.,et al.Peptides 17:477-481(1996).
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