

AVPR2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AW5433

Product Information

Application WB, FC **Primary Accession** P30518 Reactivity Human Host Rabbit Clonality Polyclonal Calculated MW 40279 Isotype Rabbit IgG **Antigen Source HUMAN**

Additional Information

Gene ID 554

Antigen Region 343-377

Other Names Vasopressin V2 receptor, V2R, AVPR V2, Antidiuretic hormone receptor,

Renal-type arginine vasopressin receptor, AVPR2, ADHR, DIR, DIR3, V2R

Dilution WB~~1:1000 FC~~1:25

Target/SpecificityThis 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.

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.

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.

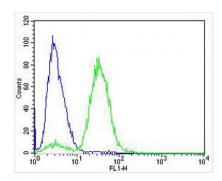
Background

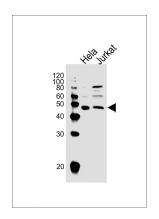
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References

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.I., et al. Peptides 17:477-481(1996). North W.G., et al. Cancer Res. 58:1866-1871(1998).

Images





Overlay histogram showing Jurkat cells stained with AW5433 (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 37°C. The secondary antibody used was Alexa Fluor® 488 goat anti-rabbit lgG (H+L) (1583138) at 1/400 dilution for 40 min at 37°C. Isotype control antibody (blue line) was rabbit IgG1 (1µg/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

All lanes: Anti-AVPR2 Antibody (C-term) at 1:1000 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.