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# AVPR2 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50033

## Product Information

| | |
|---|---|
| **Application** | WB, IF |
| **Primary Accession** | P30518 |
| **Reactivity** | Human |
| **Host** | Rabbit |
| **Clonality** | polyclonal |
| **Calculated MW** | 40279 |

## Additional Information

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|---|---|
| **Gene ID** | 554 |
| **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 IF~~1:100 |
| **Format** | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol. |
| **Storage Conditions** | -20℃ |

## Protein Information

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|---|---|
| **Name** | AVPR2 |
| **Synonyms** | ADHR, DIR, DIR3, V2R |
| **Function** | G protein-coupled receptor for arginine vasopressin, an antidiuretic that promotes renal water reabsorption (PubMed:1534149, PubMed:19440390, PubMed:33664408, PubMed:33742150). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (cAMP) (PubMed:33664408, PubMed:33742150). AVPR2 is coupled to G(s) G alpha proteins and mediates activation of adenylate cyclase activity (PubMed:33664408, PubMed:33742150). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein |
| **Tissue Location** | Kidney.. |

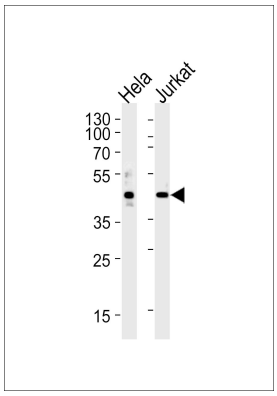
## Background

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

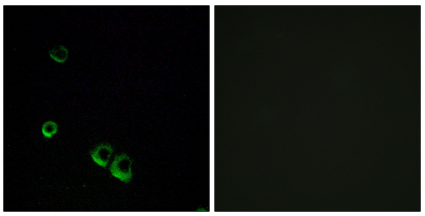
## References

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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).

## Images




Western blot analysis of lysates from Hela,Jurkat cell line (from left to right),using AVPR2 Antibody(G788). G788 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.



Immunofluorescence analysis of MCF-7 cells, using AVPR2 antibody.

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