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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

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

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..

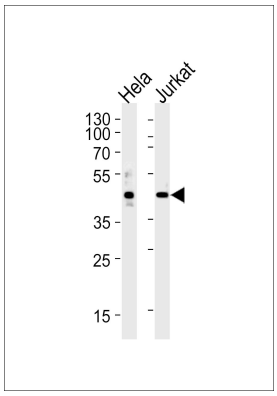
Background

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

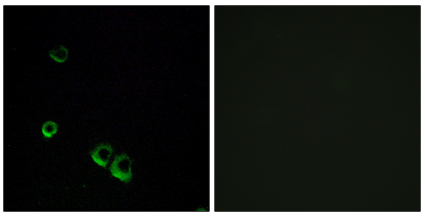
References

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).

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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