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AVP Receptor V2 Polyclonal Antibody

Catalog # AP74260

Product Information

Application	WB, E
Primary Accession	P30518
Reactivity	Human, Mouse
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)
Dilution	WB~~WB 1:500-2000, ELISA 1:10000-20000 E~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20℃

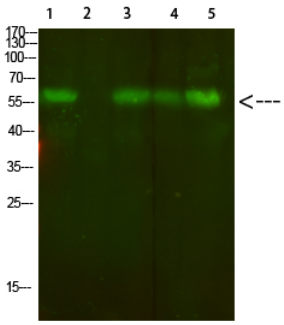
Protein Information

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.

Images



Western Blot analysis of 1,mouse-lung 2,mouse-spleen 3,mouse-kidney 4,mouse-heart 5,293 cells using primary antibody diluted at 1:500(4°C overnight). Secondary antibody：Goat Anti-rabbit IgG IRDye 800(diluted at 1:5000, 25°C, 1 hour)