

精氨酸加压素受体 2 抗体

产品货号： mlR1705

英文名称： AVPR2

中文名称： 精氨酸加压素受体 2 抗体

别名： arginine vasopressin receptor 2; ADHR; Antidiuretic hormone recepto; Arginine vasopressin receptor 2; AVP R2; AVPR 2; AVPR V2; DI1; DIR 3; DIR; DIR3; MGC126533; MGC138386; NDI; Nephrogenic diabetes insipidus; Renal type arginine vasopressin recepto; V2R; Vasopressin V2 receptor; V2R_HUMAN.

研究领域： 细胞生物 免疫学 生长因子和激素 细胞膜受体

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Dog, Pig, Cow, Horse, Sheep,

产品应用： WB=1:500-2000 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量： 40kDa

细胞定位： 细胞膜

性状： Lyophilized or Liquid

浓度： 1mg/ml

免疫原： KLH conjugated synthetic peptide derived from human AVPR2:281-371/371

亚型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ° C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20° C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 ° C.

PubMed： PubMed

产品介绍： This gene encodes the vasopressin receptor, type 2, also known as the V2 receptor, which belongs to the seven-transmembrane-domain G protein-coupled receptor (GPCR) superfamily, and couples to Gs thus stimulating adenylate cyclase. The subfamily that includes the V2 receptor, the V1a and V1b vasopressin receptors, the oxytocin receptor, and isotocin and mesotocin receptors in non-mammals, is well conserved, though several members signal via other G proteins. All bind similar cyclic nonapeptide hormones. The V2 receptor is expressed in the kidney tubule, predominantly in the distal convoluted tubule and collecting ducts, where its primary property is to respond to the pituitary hormone arginine vasopressin (AVP) by stimulating mechanisms that concentrate the urine and maintain water homeostasis in the organism. When the function of this gene is lost, the disease Nephrogenic Diabetes Insipidus (NDI) results. The V2 receptor is also expressed outside the kidney although its tissue localization is uncertain. When these 'extrarenal receptors' are stimulated by infusion of a V2 selective agonist (dDAVP), a variety of clotting factors are released into the bloodstream. The physiologic importance of this property is not known - its absence does not appear to be detrimental in NDI patients. The gene expression has also been described in fetal lung tissue and lung cancer associated with alternative splicing. [provided by RefSeq, Jul 2008]

Function:

Receptor for arginine vasopressin. The activity of this receptor is mediated by G proteins which activate adenylate cyclase.

Subcellular Location:

Cell membrane; Multi-pass membrane protein.

Tissue Specificity:

Kidney.

Similarity:

Belongs to the G-protein coupled receptor 1 family.

Vasopressin/oxytocin receptor subfamily.

SWISS:

P30518

Gene ID:

554

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.