

**Anti-Human/Mouse/Rat AVPR1B Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA04937**

3th Edition

**Description:**The protein encoded by this gene acts as receptor for arginine vasopressin. This receptor belongs to the subfamily of G-protein coupled receptors which includes AVPR1A, V2R and OXT receptors. Its activity is mediated by G proteins which stimulate a phosphatidylinositol-calcium second messenger system. The receptor is primarily located in the anterior pituitary, where it stimulates ACTH release. It is expressed at high levels in ACTH-secreting pituitary adenomas as well as in bronchial carcinoids responsible for the ectopic ACTH syndrome. A spliced antisense transcript of this gene has been reported but its function is not known. AVPR1B (Arginine Vasopressin Receptor 1B) is a Protein Coding gene. Diseases associated with AVPR1B include Acth-Independent Macronodular Adrenal Hyperplasia and Melancholia. Among its related pathways are Peptide ligand-binding receptors and Vascular smooth muscle contraction. GO annotations related to this gene include G-protein coupled receptor activity and protein kinase C binding. An important paralog of this gene is OXTR.

**Antigen:**Synthetic peptide from human protein

**Form:**

**How to use:**1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:**PBS (pH7.4) containing 1% BSA

**Application:**This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:**