

Anti-Human VIPR1 Polyclonal Antibody**Polyclonal Antibody****Cat.NO.: PA06505**

3th Edition

Description: VIPR1 encodes a receptor for vasoactive intestinal peptide, a small neuropeptide. Vasoactive intestinal peptide is involved in smooth muscle relaxation, exocrine and endocrine secretion, and water and ion flux in lung and intestinal epithelia. Its actions are effected through integral membrane receptors associated with a guanine nucleotide binding protein which activates adenylate cyclase. Several transcript variants encoding different isoforms have been found for this gene. VIPR1 (Vasoactive Intestinal Peptide Receptor 1) is a Protein Coding gene. Diseases associated with VIPR1 include Holoprosencephaly-3 and Inflammatory Diarrhea. Among its related pathways are Sudden Infant Death Syndrome (SIDS) Susceptibility Pathways and Signaling by GPCR. GO annotations related to this gene include G-protein coupled receptor activity and vasoactive intestinal polypeptide receptor activity. An important paralog of this gene is ADCYAP1R1.

Antigen: Synthesized peptide derived from the Internal region of human VPAC1.

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: In lung, HT29 colonic epithelial cells, Raji B-lymphoblasts. Lesser extent in brain, heart, kidney, liver and placenta. Not expressed in CD4+ or CD8+ T-cells. Expressed in the T-cell lines HARRIS, HuT 78, Jurkat and Tsup-1, but not in the T-cell lines PEER, MOLT-4, HSB and YT.