

AP01437PU-N**Polyclonal Antibody to PACAP type III receptor / VIP Receptor 2 - Aff - Purified**

Alternate names:	PACAP-R-3, PACAPR3, Pituitary adenylate cyclase-activating polypeptide type III receptor, VIP-R2, VIP2R, VIPR-2, VIPR2, Vasoactive intestinal polypeptide receptor 2
Quantity:	0.1 mg
Concentration:	1.0 mg/ml
Background:	<p>The vasoactive intestinal peptide (VIP) and the pituitary adenylate cyclaseactivating polypeptide (PACAP) belong to a superfamily of peptide hormones that include glucagon, secretin and growth hormone releasing hormone. The effects of VIP and PACAP are mediated by three G-protein coupled receptors, VPAC1, VPAC2 and the PACAP receptor (also designated PAC1-R). The VPAC receptors have equal affinities for VIP and PACAP, which stimulate the activation of adenylyl cyclase. Both VPAC1, a 47 kDa protein, and VPAC2, a 65 kDa protein, are abundantly expressed in brain and T cells, where they modulate neuronal differentiation and T cell activation, respectively. The PACAP receptor is a seven transmembrane protein that produces at least eight isoforms by alternative splicing. Each isoform is associated with a specific signaling pathway and a specific expression pattern. The PACAP receptor, which is thought to play an integral role in brain development, preferentially binds PACAP in order to stimulate a cAMP-protein kinase A signaling pathway.</p>
Uniprot ID:	P41587
NCBI:	NP_003373.2
GeneID:	7434
Host:	Rabbit
Format:	State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Purification: Affinity Chromatography using epitope-specific immunogen Buffer System: PBS, pH~7.2 Preservatives: 15 mM Sodium Azide
Applications:	ELISA: 1/1000~1/50000. Western blot: 1/500~1/1000. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Molecular Weight:	~49 kDa
Specificity:	This antibody detects endogenous levels of VPAC2 protein. Species: Human, Mouse and Rat. Other species not tested.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

Pictures:

Western blot analysis of VPAC2 Antibody
Cat.-No AP01437PU-N in extracts from
HepG2 cells.

