



Rabbit Anti-VPAC2R antibody

SL0197R

Product Name:	VPAC2R
Chinese Name:	腺苷酸环化酶激活肽受体-II/血管活性肠肽受体-II抗体
Alias:	VIP receptor II; VIP receptor2; VIP receptor-2; PACAP type-3; VIP type-2 receptor; Vipr2; Vip2; VPAC2; VPAC2R; Vasoactive intestinal polypeptide receptor 2; VIP-R-2; Pituitary adenylate cyclase-activating polypeptide type III receptor; PACAP type III receptor; PACAP-R-3; PACAP-R3; VIPR2_HUMAN.
文献引用 PubMed :	<p>Specific References(1) SL0197R has been referenced in 1 publications.</p> <p>[IF=2.22]Ruan, Ming, et al. "Attenuation of stress-induced gastrointestinal motility disorder by gentiopicroside, from Gentiana macrophylla Pall." Fitoterapia(2015).WB;Rat.</p> <p style="text-align: right;">PubMed:25936770</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Rabbit,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	48kDa
Cellular localization:	The cell membrane
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from rat VIP receptor II:81-170/437<Extracellular>
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Storage:	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
Product Detail:	<p>Pituitary adenylate cyclase-activating polypeptide (PACAP) is a neuropeptide belonging to the vasoactive intestinal polypeptide/glucagon/ secretin family. It is widely distributed in the body, and a variety of biological actions have been reported. Recent studies have shown that there is a family of PACAP receptors (PACAPRs), and two members of this family have been identified. Mouse PACAPR-3 is a protein of 437 amino acids that has 50% and 51% identity with rat PACAP type I and type II receptors, respectively. It binds to vasoactive intestinal polypeptide as well as PACAP-38 and -27, with a slightly higher affinity for PACAP-38, PACAPR-3 mRNA is expressed at high levels in MIN6, at moderate levels in pancreatic islets and other insulin-secreting cell lines, HIT-T15 and RINm5F, as well as in the lung, brain, stomach, and colon, and at low levels in the heart. PACAPR-3 participates in the regulation of insulin secretion. Insulin secretion from MIN6 cells is significantly stimulated by PACAP-38.</p> <p>Function: This is a receptor for VIP as well as PACAP-38 and -27, the activity of this receptor is mediated by G proteins which activate adenylyl cyclase. Can be coupled to phospholipase C.</p> <p>Subcellular Location: Cell membrane; Multi-pass membrane protein.</p> <p>Tissue Specificity: Expressed in CD4+ T-cells, but not in CD8+ T-cells. Expressed in the T-cell lines Jurkat, PEER, MOLT-4, HSB, YT and Tsup-1, but not in the T-cell lines HARRIS and HUT 78.</p> <p>Similarity: Belongs to the G-protein coupled receptor 2 family.</p> <p>SWISS: P35000</p> <p>Gene ID: 7434</p> <p>Database links: Entrez Gene: 7434 Human Omim: 601970 Human</p>

[SwissProt: P41587](#) Human

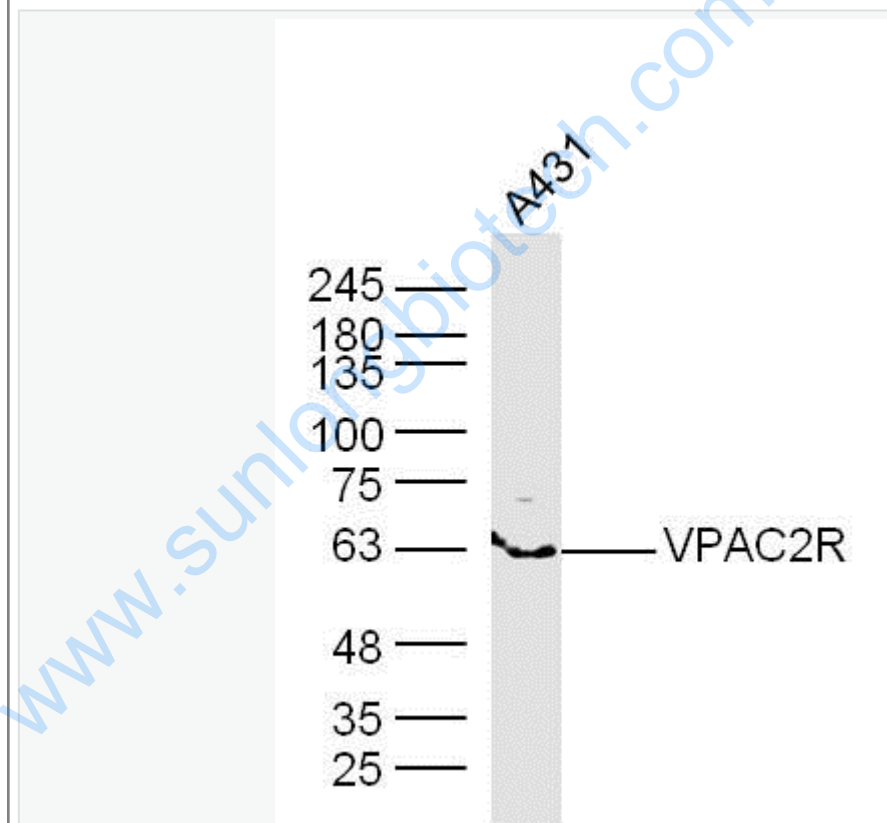
[Unigene: 585052](#) Human

Important Note:

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

PACAP 受体分为两个亚型, PACAP-2型受体对PACAP是特异性的, 与PACAP的亲和力比VIP高100-1000倍, PACAP-II型受体与PACAP和VIP的亲和力相似, 对二者无选择性。此抗体即为后者。

Picture:



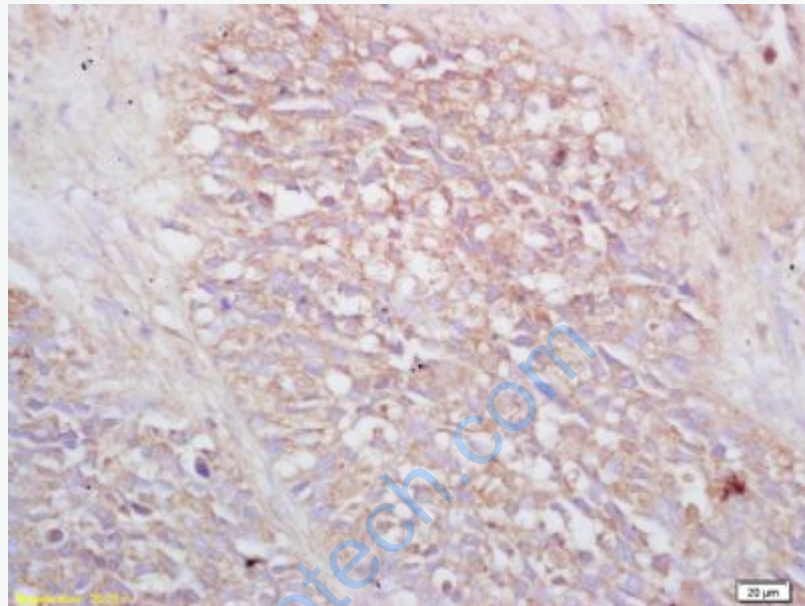
Sample: A431 Cell Lysate at 40 ug

Primary: Anti- VPAC2R (SL0197R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 48 kD

Observed band size: 63 kD



Tissue/cell: human lung carcinoma; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-VIP receptor 2/VPAC2 Polyclonal Antibody,

Unconjugated(SL0197R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining