

**VPAC1 Polyclonal Antibody**  
Catalog # AP73757**Specification****VPAC1 Polyclonal Antibody - Product Information**

Application	<b>WB</b>
Primary Accession	<a href="#">P32241</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**VPAC1 Polyclonal Antibody - Additional Information****Gene ID** 7433**Other Names**

VIPR1; Vasoactive intestinal polypeptide receptor 1; VIP-R-1; Pituitary adenylate cyclase-activating polypeptide type II receptor; PACAP type II receptor; PACAP-R-2; PACAP-R2; VPAC1

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**VPAC1 Polyclonal Antibody - Protein Information****Name** VIPR1 ([HGNC:12694](#))**Function**

G protein-coupled receptor activated by the neuropeptides vasoactive intestinal peptide (VIP) and pituitary adenylate cyclase-activating polypeptide (ADCYAP1/PACAP) (PubMed: [35477937](http://www.uniprot.org/citations/35477937), PubMed: [36385145](http://www.uniprot.org/citations/36385145), PubMed: [8179610](http://www.uniprot.org/citations/8179610)). Binds VIP and both PACAP27 and PACAP38 bioactive peptides with the following order of ligand affinity VIP = PACAP27 > PACAP38 (PubMed: [35477937](http://www.uniprot.org/citations/35477937), PubMed: [8179610](http://www.uniprot.org/citations/8179610)). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors. Activates cAMP-dependent pathway (PubMed: [35477937](http://www.uniprot.org/citations/35477937), PubMed: [36385145](http://www.uniprot.org/citations/36385145), PubMed: [8179610](http://www.uniprot.org/citations/8179610)).

### Cellular Location

Cell membrane; Multi-pass membrane protein

### Tissue Location

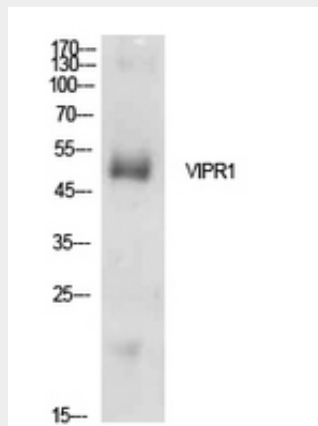
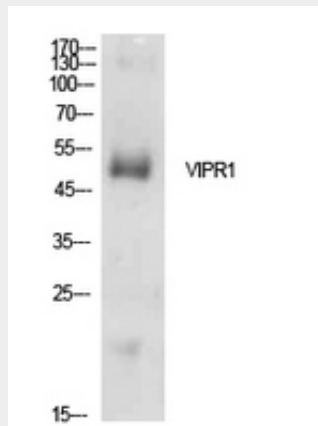
In lung, HT-29 colonic epithelial cells, Raji B- lymphoblasts. Lesser extent in brain, heart, kidney, liver and placenta. Not expressed in CD4+ or CD8+ T-cells. Expressed in the T- cell lines HARRIS, HuT 78, Jurkat and SUP-T1, but not in the T-cell lines Peer, MOLT-4, HSB and YT.

### VPAC1 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### VPAC1 Polyclonal Antibody - Images



**VPAC1 Polyclonal Antibody - Background**

This is a receptor for VIP. The activity of this receptor is mediated by G proteins which activate adenylyl cyclase. The affinity is VIP = PACAP-27 > PACAP-38.