

VIPR1 Antibody(C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19704b

Specification

VIPR1 Antibody(C-term) - Product Information

| | |
|-------------------|-----------------------------|
| Application | WB,E |
| Primary Accession | P32241 |
| Other Accession | NP_004615.2 |
| Reactivity | Human |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Calculated MW | 51547 |
| Antigen Region | 305-334 |

VIPR1 Antibody(C-term) - Additional Information

Gene ID 7433

Other Names

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, VIPR1

Target/Specificity

This VIPR1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 305-334 amino acids from the C-terminal region of human VIPR1.

Dilution

WB~~1:1000

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VIPR1 Antibody(C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

VIPR1 Antibody(C-term) - Protein Information

Name VIPR1

Function 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.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

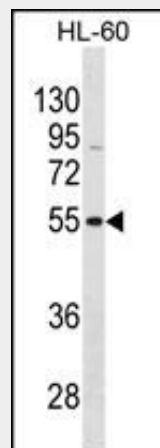
In lung, HT-29 colonic epithelial cells, Raji B- lymphoblasts. Lesser extent in brain, heart, kidney, liver and placenta. Not expressed in CD4+ or CD8+ T-cells. Expressed in the T- cell lines HARRIS, HuT 78, Jurkat and SUP-T1, but not in the T-cell lines Peer, MOLT-4, HSB and YT.

VIPR1 Antibody(C-term) - 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](#)

VIPR1 Antibody(C-term) - Images



VIPR1 Antibody (C-term) (Cat. #AP19704b) western blot analysis in HL-60 cell line lysates (35ug/lane). This demonstrates the VIPR1 antibody detected the VIPR1 protein (arrow).

VIPR1 Antibody(C-term) - Background

This gene 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.

VIPR1 Antibody(C-term) - References

Mlakar, V., et al. Cancer Invest. 28(5):487-494(2010)
Burian, B., et al. Peptides 31(4):603-608(2010)
Cocco, E., et al. PLoS ONE 5 (8), E12067 (2010) :
Yokoyama, K., et al. Nephron Clin Pract 115 (4), C237-C243 (2010) :
Chakrabarti, B., et al. Autism Res 2(3):157-177(2009)