

VIPR2 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP17003a**Specification**

VIPR2 Antibody (N-term) Blocking Peptide - Product Information

Primary Accession [P41587](#)

VIPR2 Antibody (N-term) Blocking Peptide - Additional Information

Gene ID 7434

Other Names

Vasoactive intestinal polypeptide receptor 2, VIP-R-2, Helodermin-preferring VIP receptor, Pituitary adenylate cyclase-activating polypeptide type III receptor, PACAP type III receptor, PACAP-R-3, PACAP-R3, VPAC2, VIPR2, VIP2R

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

VIPR2 Antibody (N-term) Blocking Peptide - Protein Information

Name VIPR2

Synonyms VIP2R

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.

Cellular Location

Cell membrane; Multi-pass membrane protein.

Tissue Location

Expressed in CD4+ T-cells, but not in CD8+ T-cells. Expressed in the T-cell lines Jurkat, Peer, MOLT-4, HSB, YT and SUP-T1, but not in the T-cell lines HARRIS and HuT 78

VIPR2 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

VIPR2 Antibody (N-term) Blocking Peptide - Images

VIPR2 Antibody (N-term) Blocking Peptide - Background

Vasoactive intestinal peptide (VIP; MIM 192320) and pituitary adenylate cyclase activating polypeptide (PACAP; MIM102980) are homologous peptides that function as neurotransmitters and neuroendocrine hormones. While the receptors for VIP and PACAP share homology, they differ in their substrate specificities and expression patterns. See VIPR1 (MIM 192321) and ADCYAP1R1 (MIM102981).

VIPR2 Antibody (N-term) Blocking Peptide - References

Kovanen, L., et al. Alcohol Alcohol. 45(4):303-311(2010) Kellogg, D.L. Jr., et al. J. Appl. Physiol. 109(1):95-100(2010) Liu, Y.J., et al. Obesity (Silver Spring) (2010) In press : Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010) Sjöholm, L.K., et al. J Circadian Rhythms 8, 1 (2010) :