

VIP Receptor 1 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58013**Specification**

VIP Receptor 1 Polyclonal Antibody - Product Information

Application	WB, IHC-P, IHC-F, IF, ICC
Primary Accession	P32241
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51547

VIP Receptor 1 Polyclonal Antibody - 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

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glycerol

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

VIP Receptor 1 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.

VIP Receptor 1 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](#)

VIP Receptor 1 Polyclonal Antibody - Images