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Anti-VIPR1 Antibody (Cytoplasmic Domain)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS17502

Product Information

Application	IHC-P
Primary Accession	P32241
Predicted	Human, Monkey
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51547
Concentration (mg/ml)	1 mg/ml

Additional Information

Gene ID	7433
Alias Symbol	VIPR1
Other Names	VIPR1, HVR1, PACAP type II receptor, PACAP-R-2, Pvr2, RDC1, Vip receptor subtype 1, Vpac1 receptor, V1RG, VIP receptor 1, VIPR, VIRG, VPCAP1R, PACAP-R2, VAPC1, VIP and PACAP receptor 1, VPAC1R, Pacap receptor, type ii, Type II PACAP receptor, VIP rec ...
Target/Specificity	Human VIP Receptor 1. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Reconstitution & Storage	Immunoaffinity purified
Precautions	Anti-VIPR1 Antibody (Cytoplasmic Domain) is for research use only and not for use in diagnostic or therapeutic procedures.

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, PubMed:36385145, PubMed:8179610). Binds VIP and both PACAP27 and PACAP38 bioactive peptides with the following order of ligand affinity VIP = PACAP27 > PACAP38 (PubMed:35477937, PubMed: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, PubMed:36385145, PubMed: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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.