VIPR2 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	VIPR2, Polyclonal Antibody
Full Product Name	VIPR2, NT (VIPR2, VIP2R, Vasoactive intestinal polypeptide receptor 2, Helodermin-preferring VIP receptor, Pituitary adenylate cyclase-activating polypeptide type III receptor, VPAC2) (MaxLight 650)
Product Gene Name	anti-VIPR2 antibody
Product Synonym Names	VIPR2; VIP2R; Vasoactive intestinal polypeptide receptor 2; Helodermin-preferring VIP receptor; Pituitary adenylate cyclase-activating polypeptide type III receptor; VPAC2
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with MaxLight650.
Purity/Purification	Purified by Protein A Affinity Chromatography
Specificity	Recognizes human VIPR2.
Preparation and Storage	Store product at 4 degree C in the dark. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. Caution: MaxLight650 conjugates are sensitive to light. For maximum recovery of product, centrifuge the original vial prior to removing the cap.
Molecular Weight	49,479 Da
Chromosome Location	Chromosome: 7; NC_000007.13 (158820866..158937649, complement). Location: 7q36.3
OMIM	601970
3D Structure	ModBase 3D Structure for P41587
Immunogen	KLH-conjugated synthetic peptide mapping to a fragment of residues within amino acids 95-123 in the N-terminal region of human VIPR2, UniProt Accession #P41587.
Conjugate	MaxLight650
Note	Preservative Free
Product Categories/Family for anti-VIPR2 antibody	Antibodies; Receptors
Applications Tested/Suitable for anti-VIPR2 antibody	Western Blot (WB), FLISA
Application Notes for anti-VIPR2 antibody	WB: 1:1000 Applications are based on unconjugated antibody.
Related Product Information for anti-VIPR2 antibody	MBS6362606 is an antibody targeting VIPR2. Also known as VIPR2, NT (VIPR2, VIP2R, Vasoactive intestinal polypeptide receptor 2, Helodermin-preferring VIP receptor, Pituitary adenylate cyclase-activating polypeptide type III receptor, VPAC2) (MaxLight 650). Reactive in Human. Host: Rabbit.
Product References and Citations for anti-VIPR2 antibody	1. Kovanen, L., et al. Alcohol Alcohol. 45(4):303-311(2010). 2. Kellogg, D.L. Jr., et al. J. Appl. Physiol. 109(1):95-100(2010). 3. Liu, Y.J., et al. Obesity (Silver Spring) (2010). 4. Yoshida, T., et al. Int. J. Mol. Med. 25(4):649-656(2010). 5. Sjoholm, L.K., et al. J Circadian Rhythms 8, 1 (2010).

Other Notes	Small volumes of anti-VIPR2 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for VIPR2. It may not necessarily be applicable to this product.

NCBI GI #	21361557
NCBI GeneID	7434
NCBI Accession #	NP_003373.2
UniProt Primary Accession #	P41587
UniProt Secondary Accession #	Q13053; Q15870; Q53Y09; Q9UCW0
UniProt Related Accession #	P41587
GenBank Nucleotide #	NM_003382.4
NCBI Official Full Name	vasoactive intestinal polypeptide receptor 2
NCBI Official Synonym Full Names	vasoactive intestinal peptide receptor 2
NCBI Official Symbol	VIPR2
NCBI Official Synonym Symbols	VPAC2; VPAC2R; VIP-R-2; VPCAP2R; PACAP-R3; DUP7q36.3; PACAP-R-3; C16DUPq36.3
UniProt Protein Name	Vasoactive intestinal polypeptide receptor 2
UniProt Synonym Protein Names	Helodermin-preferring VIP receptor; Pituitary adenylate cyclase-activating polypeptide type III receptor; PACAP type III receptor; PACAP-R-3; PACAP-R3; VPAC2
Protein Family	Vasoactive intestinal polypeptide receptor
UniProt Gene Name	VIPR2
UniProt Synonym Gene Names	VIP2R; VIP-R-2; PACAP type III receptor; PACAP-R-3; PACAP-R3
UniProt Entry Name	VIPR2_HUMAN
NCBI Protein Information	vasoactive intestinal polypeptide receptor 2; PACAP type III receptor; VIP and PACAP receptor 2; helodermin-preferring VIP receptor; pituitary adenylate cyclase-activating polypeptide type III receptor
NCBI Summary for VIPR2	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. [provided by RefSeq, Aug 2011]
UniProt Comments for VIPR2	VIPR2: 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. Belongs to the G-protein coupled receptor 2 family. Protein type: Membrane protein, multi-pass; Receptor, GPCR; GPCR, family 2; Membrane protein, integral Chromosomal Location of Human Ortholog: 7q36.3 Cellular Component: integral to plasma membrane; plasma membrane Molecular Function: G-protein coupled receptor activity; vasoactive intestinal polypeptide receptor activity Biological Process: G-protein coupled receptor protein signaling pathway; cell-cell signaling; negative regulation of smooth muscle cell proliferation; adenylate cyclase activation; signal transduction
Research Articles on VIPR2	**1.** Conclude that VPAC2/PAC1 receptors require NO in series to effect cutaneous active vasodilation during heat stress in humans.

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