

VIP Receptor 1 Antibody | anti-VIPR1 antibody

Anti-VIP Receptor 1 Picoband antibody

CATALOG #
AAA124720

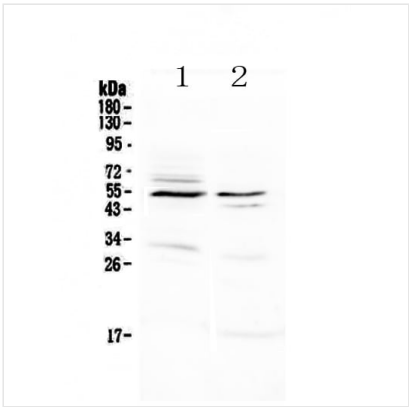
APPLICATIONS
Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

VIP Receptor 1; Anti-VIP Receptor 1 Picoband antibody; 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; anti-VIPR1 antibody

PRODUCT SPECIFICATIONS

Isotype	Rabbit IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized; Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Applicable Applications for anti-VIPR1 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Species	Reacts with Humna, Mouse, Rat
Immunogen	A synthetic peptide corresponding to a sequence of human VIP Receptor 1 (QAELRRKWRRWHLQGVLGWNPKYRH).
Reconstitution	0.2ml of distilled water yield a concentration of 500ug/ml.
Preparation and Storage	Store At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquoted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 1. Western blot analysis of VIP Receptor 1 using anti-VIP Receptor 1 antibody. Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions. Lane 1: human A431 cell lysates, Lane 2: human PANC-1 cell lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-VIP Receptor 1 antigen affinity purified polyclonal antibody at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for VIP Receptor 1 at approximately 52KD. The expected band size for VIP Receptor 1 is at 52KD.

ADDITIONAL INFORMATION

Related Product Information for anti-VIPR1 antibody

Description: VIPR1(Vasoactive intestinal polypeptide receptor 1),also known as VIPR,HVR1, is a protein that in humans is encoded by the VIPR1 gene. Distinct subsets of neural, respiratory, gastrointestinal, and immune cells bear specific high-affinity G protein-coupled receptors for VIP, such as VIPR1. The VIPR1 gene is mapped on 3p22.1. The VIPR1 gene was found to span approximately 22 kb and to be comprised of 13 exons (ranging from 42 to 1,400 bp) and 12 introns (ranging from 0.3 to 6.1 kb). One encodes a VIP receptor consisting of 460 amino acids and having 7 putative transmembrane domains, as do other G protein-coupled receptors. Patients with idiopathic achalasia show a significant difference in the distribution of SNPs affecting VIPR1.
Protein Function: PACAP-27 > PACAP-38.

NCBI AND UNIPROT INFORMATION

NCBI GI #	353523862
NCBI GeneID	7433
NCBI Accession #	NP_001238811.1
NCBI GenBank Nucleotide #	NP_001238811.1
UniProt Accession #	P32241; Q15871; Q6P2M6; A5JUT9; B3KPV1; B4DEB5; B4DGI4; F5H1F5; G3V0I1
NCBI Official Full Name	vasoactive intestinal polypeptide receptor 1 isoform 2
NCBI Official Synonym Full Names	vasoactive intestinal peptide receptor 1
NCBI Official Symbol	VIPR1
NCBI Official Synonym Symbols	II; HVR1; RDC1; V1RG; VIPR; VIRG; VAPC1; VPAC1; VPAC1R; VIP-R-1; VPCAP1R; PACAP-R2; PACAP-R-2
NCBI Protein Information	vasoactive intestinal polypeptide receptor 1
UniProt Protein Name	Vasoactive intestinal polypeptide receptor 1
UniProt Gene Name	VIPR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/vipr1-antibody/vip-receptor-1/124720>