

Rabbit VPAC2/VIPR2 Polyclonal Antibody | anti-VIPR2 antibody

Anti-VPAC2/VIPR2 Antibody Picoband

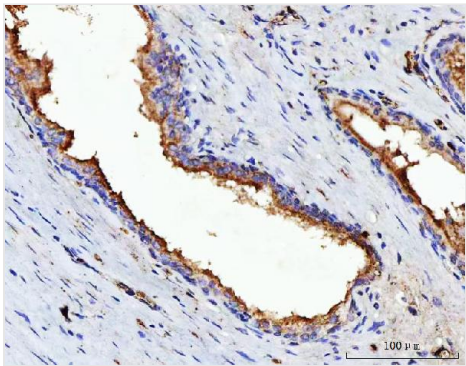
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126334	Rabbit	Human, Monkey	Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

VPAC2/VIPR2; Polyclonal Antibody; Anti-VPAC2/VIPR2 Antibody Picoband; anti-VIPR2 antibody

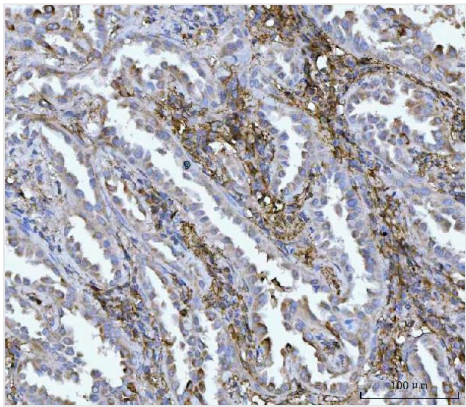
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Monkey
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-VIPR2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human VPAC2/VIPR2 (EIQEEETKCAELLRSQTEKH).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



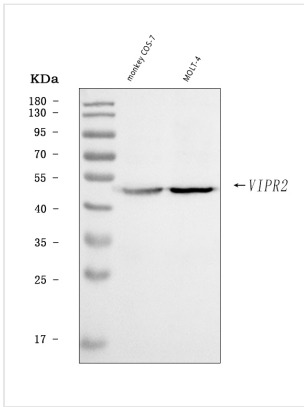
IHC (Immunohistochemisry)

Figure 3. IHC analysis of VPAC2/VIPR2 using anti-VPAC2/VIPR2 antibody (AAA126334).VPAC2/VIPR2 was detected in a paraffin-embedded section of human prostate cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-VPAC2/VIPR2 Antibody (AAA126334) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



IHC (Immunohiostchemistry)

Figure 2. IHC analysis of VPAC2/VIPR2 using anti-VPAC2/VIPR2 antibody (AAA126334).VPAC2/VIPR2 was detected in a paraffin-embedded section of human lung cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-VPAC2/VIPR2 Antibody (AAA126334) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of VPAC2/VIPR2 using anti-VPAC2/VIPR2 antibody (AAA126334).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 30 ug of sample under reducing conditions.Lane 1: monkey COS-7 whole cell lysates,Lane 2: human MOLT-4 whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA 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-VPAC2/VIPR2 antigen affinity purified polyclonal antibody (#AAA126334) 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 1:5000 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 VPAC2/VIPR2 at approximately 68 kDa. The expected band size for VPAC2/VIPR2 is at 60 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-VIPR2 antibody	Vasoactive intestinal peptide receptor 2 also known as VPAC2, is a G-protein coupled receptor that in humans is encoded by the VIPR2 gene. 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.
Product Categories/Family for anti-VIPR2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	21361557
NCBI GeneID	7434
NCBI Accession #	NP_003373.2
NCBI GenBank Nucleotide #	NM_003382.4
UniProt Accession #	P41587; Q13053; Q15870; Q53Y09; Q9UCW0
Molecular Weight	49,479 Da
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
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
UniProt Protein Name	Vasoactive intestinal polypeptide receptor 2
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

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/polyclonal/vpac2-vipr2-antibody-immunohistochemistry-western-blot-elisa/126334>