10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-VIPR1 Antibody
Rabbit polyclonal antibody to VIPR1
Catalog # AP60417

Specification

Anti-VIPR1 Antibody - Product Information

Application	**WB**
Primary Accession	P32241
Other Accession	P97751
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**51547**

Anti-VIPR1 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

Target/Specificity
Recognizes endogenous levels of VIPR1 protein.

Dilution
WB~~WB (1/500 - 1/1000)

Format
Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage
Store at -20 °C.Stable for 12 months from date of receipt

Anti-VIPR1 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, 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:<a href="http://www.uniprot.org/citations/8179610"

target="_blank">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

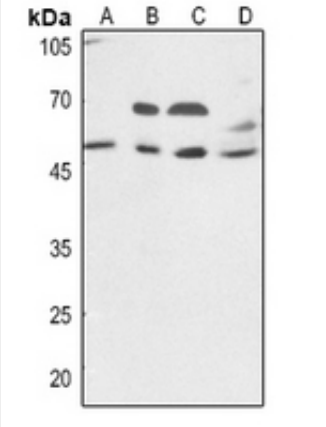
Tissue Location
In lung, HT-29 colonic epithelial cells, Raji B- lymphoblasts. Lesser extent in brain, heart, kidney, liver and placenta. Not expressed in CD4+ or CD8+ T-cells. Expressed in the T- cell lines HARRIS, HuT 78, Jurkat and SUP-T1, but not in the T-cell lines Peer, MOLT-4, HSB and YT.

Anti-VIPR1 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 Cytomety
- Cell Culture

Anti-VIPR1 Antibody - Images



Western blot analysis of VIPR1 expression in HEK293T (A), Hela (B), H1688 (C), mouse lung (D) whole cell lysates.

Anti-VIPR1 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human VIPR1. The exact sequence is proprietary.