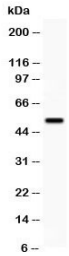
VIPR1 Antibody (R30849)

Catalog No.	Formulation	Size
R30849	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P32241
Applications	Western Blot : 0.5-1ug/ml
Limitations	This VIPR1 antibody is available for research use only.



Western blot testing of VIPR1 antibody and human placenta lysate; Predicted molecular weight ~52 kDa.

Description

Vasoactive intestinal polypeptide receptor 1, also known as VIPR, and 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 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the VIPR1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human VIP Receptor 1 (RRKWRRWHLQGVLGW) was used as the immunogen for this VIPR1 antibody (100% homologous in human, mouse and rat).

Storage

After reconstitution, the VIPR1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.