ELK Biotechnology

VPAC1 rabbit pAb

Cat No.:ES7509

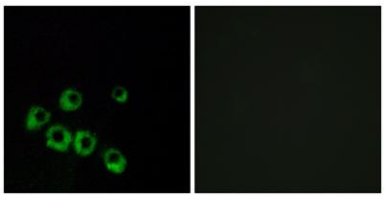
For research use only

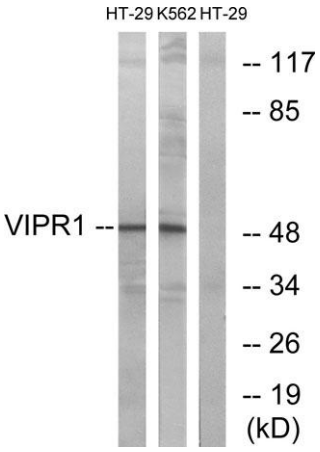
Overview

Product Name	VPAC1 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human VIPR1. AA range:332-381
Specificity	VPAC1 Polyclonal Antibody detects endogenous levels of VPAC1 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Vasoactive intestinal polypeptide receptor 1
Gene Name	VIPR1
Cellular localization	Cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	52kD
Human Gene ID	7433
Human Swiss-Prot Number	P32241
Alternative Names	VIPR1; 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
Background	vasoactive intestinal peptide receptor 1(VIPR1) Homo sapiens 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. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011],

Immunofluorescence analysis of MCF7 cells, using VIPR1 Antibody. The picture on the right is blocked with the synthesized peptide.





Western blot analysis of lysates from HT-29 and K562 cells, using VIPR1 Antibody. The lane on the right is blocked with the synthesized peptide.

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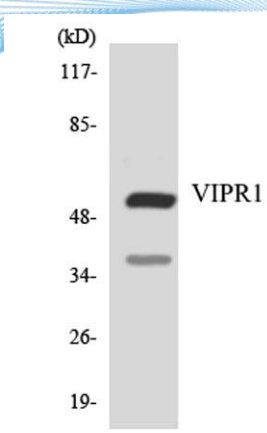
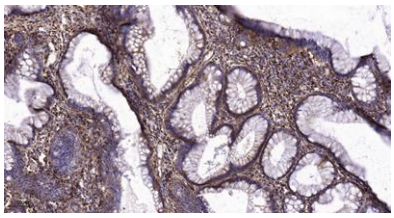


Western blot analysis of the lysates from HeLa cells using VIPR1 antibody.



Immunohistochemical analysis of paraffin-embedded human colon cancer. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).

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