Best Tools for immunology Research

VPAC2 Polyclonal Antibody

Catalog No :	YT4888
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	VPAC2
Fields :	>>cAMP signaling pathway;>>Neuroactive ligand-receptor interaction
Gene Name :	VIPR2
Protein Name :	Vasoactive intestinal polypeptide receptor 2
Human Gene Id :	7434
Human Swiss Prot No :	P41587
Mouse Gene Id :	22355
Mouse Swiss Prot No :	P41588
Rat Gene Id :	29555
Rat Swiss Prot No :	P35000
Immunogen :	The antiserum was produced against synthesized peptide derived from human VIPR2. AA range:83-132
Specificity :	VPAC2 Polyclonal Antibody detects endogenous levels of VPAC2 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. IF 1:200 - 1:1000. ELISA: 1:5000. Not yet tested in other applications.

Purification : The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 49kD

Cell Pathway : Neuroactive ligand-receptor interaction;

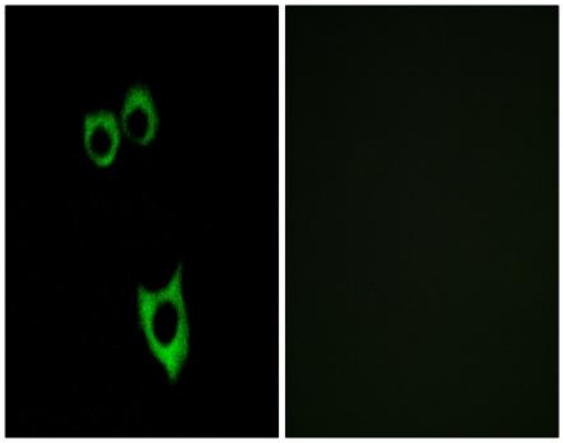
Background : vasoactive intestinal peptide receptor 2(VIPR2) Homo sapiens This gene encodes a receptor for vasoactive intestinal peptide, a small neuropeptide. Vasoactive intestinal peptide is involved in smooth muscle relaxation, exocrine and endocrine secretion, and water and ion flux in lung and intestinal epithelia. Its actions are effected through integral membrane receptors associated with a guanine nucleotide binding protein which activates adenylate cyclase. [provided by RefSeq, Aug 2011],

Function : function:This is a receptor for VIP as well as PACAP-38 and -27, the activity of this receptor is mediated by G proteins which activate adenylyl cyclase. Can be coupled to phospholipase C.,similarity:Belongs to the G-protein coupled receptor 2 family.,tissue specificity:Expressed in CD4+ T-cells, but not in CD8+ T-cells. Expressed in the T-cell lines Jurkat, PEER, MOLT-4, HSB, YT and Tsup-1, but not in the T-cell lines HARRIS and HUT 78.,

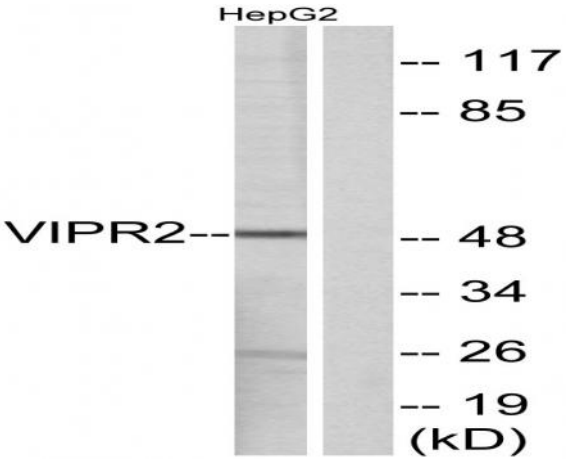
Subcellular Location : Cell membrane; Multi-pass membrane protein.

Expression : Expressed in CD4+ T-cells, but not in CD8+ T-cells. Expressed in the T-cell lines Jurkat, Peer, MOLT-4, HSB, YT and SUP-T1, but not in the T-cell lines HARRIS and HuT 78.

Products Images



Immunofluorescence analysis of MCF7 cells, using VIPR2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HepG2 cells, using VIPR2 Antibody. The lane on the right is blocked with the synthesized peptide.