VIPR1 polyclonal antibody

Catalog: BS60880 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

The vasoactive intestinal peptide (VIP) and pituitary adenylate cylase-activating polypeptide (PACAP) belong to a superfamily of peptide hormones that include glucagon, secretin and growth hormone releasing hormone (1,2). The effects of VIP and PACAP are mediated by three G-protein coupled receptors, VPAC1, VPAC2 and the PACAP receptor (also designated PAC1-R) (1,2). The VPAC receptors have equal affinities for VIP and PACAP, which stimulate the activation of adenylyl cyclase (1,3). Both VPAC1 and VPAC2 are abundantly expressed in brain and T cells, where they modulate neuronal differentiation and T cell activation, respectively (1,4-6). The PACAP receptor is a seven transmembrane protein that produces at least eight isoforms by alternative splicing (2). Each isoform is associated with a specific signaling pathway and a specific expression pattern (2). The PACAP receptor, which is thought to play an integral role in brain development, preferentially binds PACAP in order to stimulate a cAMP-protein kinase A signaling pathway (2,7).

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 52 kDa

Swiss-Prot:

P32241

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

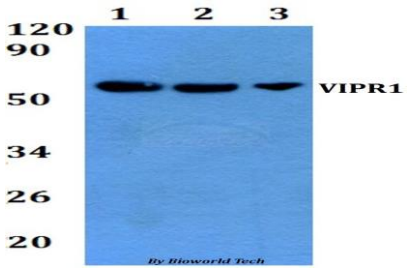
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

VIPR1 polyclonal antibody detects endogenous levels of VIPR1 protein.

DATA:



Western blot (WB) analysis of VIPR1 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:H9C2 whole cell lysate

Lane3:Raw264.7 whole cell lysate

Note:

For research use only, not for use in diagnostic procedure.

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