GPR182 polyclonal antibody

Catalog: BS60348 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Adrenomedullin (ADM) is a hypotensive peptide that belongs to a peptide superfamily, which includes the calcitonin gene-related peptide (CGRP) and amylin . ADM was originally identified in the adrenal medulla, where it is highly expressed . It is also produced by most contractile cells and is upregulated during sepsis and ischemia. Three distinct receptors have the ability to bind ADM and are designated ADM receptor (also designated L1), RDC-1 and the Calcitonin Receptor-Like Receptor (CRLR) . The CRLR associates with receptor activity-modifying proteins (RAMPs), which determine the specificity of CRLR binding . Co-expression with RAMP1 results in CRLR binding to CGRP, whereas association with RAMP2 or 3 results in ADM binding . The ADM receptor, a seven transmembrane G protein-coupled receptor, specifically binds ADM and is highly expressed in heart, brain, skeletal muscle, the immune system, adrenal gland and liver. The ADM receptor mediates the signals produced by ADM through G proteins, which activate adenylate cyclase .

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 45 kDa

Swiss-Prot:

O15218

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

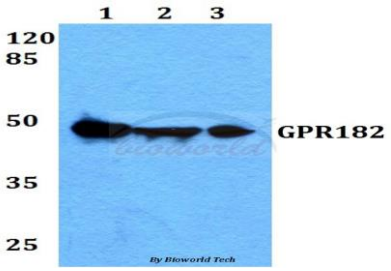
Storage&Stability:

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

Specificity:

GPR182 polyclonal antibody detects endogenous levels of GPR182 protein.

DATA:



Western blot (WB) analysis of GPR182 polyclonal antibody at 1:500 dilution

Lane1:A549 whole cell lysate

Lane2:Raw264.7 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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