



PRODUCT DATA SHEET

Bioworld Technology, Inc.

GPR3 polyclonal antibody

Catalog: BS33284

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

G protein-coupled receptor 3: Constitutively active G protein-coupled receptor that maintains high cAMP levels and contributes to several processes, including meiotic arrest in oocytes and neuronal development, through activation of intracellular signaling pathways. Essential activator of thermogenic adipocytes, where it drives thermogenesis via constitutive G(s)-coupling activity in the absence of ligand. May be activated by lipid-derived agonists such as oleoylethanolamide (OEA), oleic acid or sphingosine 1-phosphate leading to activation of the G(s)/cAMP/PKA signaling pathway. Plays a potential role in modulating brain functions, including behavioral responses to stress and amyloid-beta peptide generation in neurons (By similarity). Stimulates neurite outgrowth in cerebellar granule neurons via PKA, ERK, and PI3K-mediated signaling pathways (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~35.0 kDa

Swiss-Prot:

P46089

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of GPR3 protein

DATA:

Western blot analysis of CRX expression in Hela (A), THP1 (B), U87 (C), mouse brain (D), mouse testis (E), rat brain (F) whole cell lysates.

Note:

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

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