

RGS4 polyclonal antibody

Catalog: BS60231

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Heterotrimeric G proteins function to relay information from cell surface receptors to intracellular effectors. In mammals, G protein α , β and γ polypeptides are encoded by at least 16, 4 and 7 genes, respectively. Most interest in G proteins has been focused on their α subunits, since these proteins bind and hydrolyze GTP and most obviously regulate the activity of the best studied effectors. Four $G\alpha$ GTPase-activating proteins (GAPs) have been identified and are designated RGS1 (regulator of G protein signaling), RGS4, RGS10 and GAIP ($G\alpha$ -interacting protein). Each of these proteins has been shown to deactivate specific $G\alpha$ isoforms by increasing the rate at which they convert GTP to GDP. RGS1, RGS4 and GAIP bind tightly to and exhibit GAP activity towards $G\alpha_i$, $G\alpha_o$ and $G\alpha_t$, but not $G\alpha_s$. RGS10 increases the GTP hydrolytic activity of several members of the $G\alpha_i$ subfamily including $G\alpha_{i-3}$, $G\alpha_z$, and $G\alpha_o$.

Product:

1mg/ml in PBS with 0.1% Sodium Azide, 50% Glycerol.

Molecular Weight:

~ 23 kDa

Swiss-Prot:

P49798

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

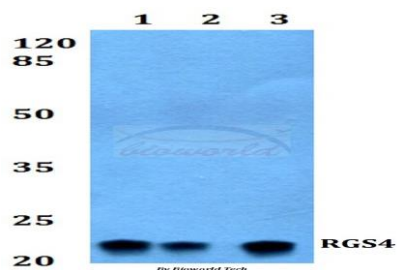
Storage&Stability:

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

Specificity:

RGS4 polyclonal antibody detects endogenous levels of RGS4 protein.

DATA:



Western blot (WB) analysis of RGS4 polyclonal antibody at 1:500 dilution

Lane1:HepG2 whole cell lysate

Lane2:sp2/0 whole cell lysate

Lane3:PC12 whole cell lysate

Note:

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

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