

RGS10 polyclonal antibody

Catalog: BS5895

Host: Rabbit

Reactivity: Human

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 $G\alpha_i$ sub-family, including $G\alpha_{i-3}$, $G\alpha_z$ and $G\alpha_o$.

Product:

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

Molecular Weight:

~ 20 kDa

Swiss-Prot:

O43665

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

IHC: 1:50~1:200

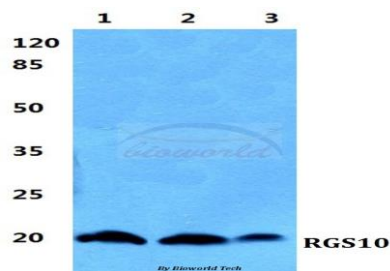
Storage&Stability:

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

Specificity:

RGS10 polyclonal antibody detects endogenous levels of RGS10 protein.

DATA:



Western blot (WB) analysis of RGS10 polyclonal antibody at 1:500 dilution

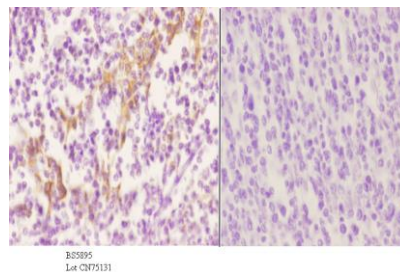
Lane1:Jurkat whole cell lysate(40 μ g)

Lane2:Myla2059 whole cell lysate(40 μ g)

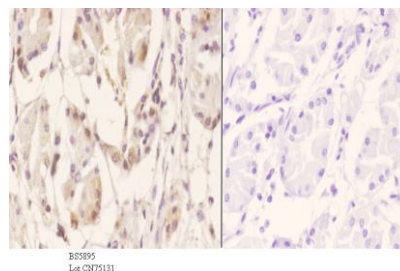
Lane3:HUT78 whole cell lysate(40 μ g)

Lane4:K562 whole cell lysate(40 μ g)

Lane5:SGC7901 whole cell lysate(40 μ g)



Immunohistochemistry (IHC) analyzes of RGS10 pAb in paraffin-embedded human tonsil carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.



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PRODUCT DATA SHEET

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Immunohistochemistry (IHC) analyzes of RGS10 pAb in paraffin-embedded human stomach carcinoma tissue at 1:50. showing cytoplasmic and nucleus staining. Negative control (the right) Using PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG-biotin followed by avidin-peroxidase.

Note:

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

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