# RGS20 polyclonal antibody

Catalog: BS60230 Host: Rabbit Reactivity: Human,Mouse,Rat

## BackGround:

The regulators of G protein signaling (RGS) proteins inhibit heterotrimeric G protein signaling. RGS proteins work by functioning as GTPase-activating proteins (which increase the GTPase activity of G protein a subunits) thereby driving G proteins into their inactive GDP-bound form. RGS20 is expressed exclusively in brain, with highest levels in the caudate nucleus and temporal lobe. RGS20 belongs to the RZ subfamily because it is highly selectivie for the az subunit on G proteins. However, if protein kinase C phosphorylates the az subunit, the G protein is much less susceptible to RGS20 action. RGS20 directly interacts with the microtubule-destabilizing protein SCG10 (superior cervical ganglia, neural specific 10) and blocks its ability to induce microtubule disassmebly.

## Product:

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

## Molecular Weight:

~ 30 kDa

## Swiss-Prot:

O76081

## 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

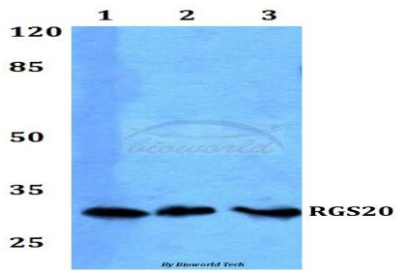
## Storage&Stability:

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

## Specificity:

RGS20 polyclonal antibody detects endogenous levels of RGS20 protein.

## DATA:




Western blot (WB) analysis of RGS20 polyclonal antibody at 1:500 dilution

Lane1:HEK293T whole cell lysate

Lane2:NIH-3T3 whole cell lysate

Lane3:H9C2 whole cell lysate

## Note:

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

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