

## RAPGEF5 polyclonal antibody

Catalog: BS5890

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

Members of the RAS subfamily of GTPases function in signal transduction as GTP/GDP-regulated switches that cycle between inactive GDP- and active GTP-bound states. Guanine nucleotide exchange factors (GEFs), such as Repac, serve as RAS activators by promoting acquisition of GTP to maintain the active GTP-bound state and are the key link between cell surface receptors and RAS activation. Repac, also known as Rap guanine nucleotide exchange factor 5 (RAPGEF5), is a 580 amino acid protein that is expressed in brain and testis, with weaker expression in heart, placenta, lung, pancreas and small intestine. Existing as two alternatively spliced isoforms, the Repac gene is conserved in cow, mouse and rat. The gene that encodes Repac maps to human chromosome 7p15.3, with high expression of this region linking to positive response to erlotinib therapy for those with non-small-cell lung cancer.

### Product:

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

### Molecular Weight:

~ 68 kDa

### Swiss-Prot:

Q92565

### 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

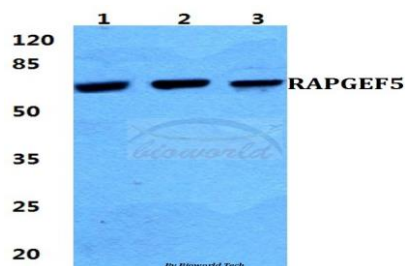
### Storage&Stability:

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

### Specificity:

RAPGEF5 polyclonal antibody detects endogenous levels of RAPGEF5 protein.

### DATA:



Western blot (WB) analysis of RAPGEF5 polyclonal antibody at 1:500 dilution

Lane1:Hela cell lysate

Lane2:Raw264.7 cell lysate

Lane3:H9C2 cell lysate

### Note:

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

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