

## PAK3 (phospho-S154) polyclonal antibody

Catalog: BS4856

Host: Rabbit

Reactivity: Human, Mouse, Rat

### Background:

Three isoforms of serine/threonine kinases, designated  $\alpha$ PAK p68,  $\beta$ PAK p65 and  $\gamma$ PAK p62, have been shown to exhibit a high degree of sequence homology with the *S. cerevisiae* kinase Ste 20, involved in pheromone signaling. The  $\alpha$ ,  $\beta$  and  $\gamma$ PAK isoforms complex specifically with Rac1 and Cdc42 in their active GTP-bound state, inhibiting their intrinsic GTPase activity leading to their autophosphorylation. There are eight sites of autophosphorylation on  $\gamma$ PAK, including Ser 19, Ser 141 and Thr 402, and phosphorylation of Ser 141 and Thr 402 is correlated with  $\gamma$ PAK activation. Once phosphorylated and their affinity for Rac/Cdc42 reduced, the PAK isoforms disassociate from the complex to seek downstream substrates.

### Product:

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

### Molecular Weight:

~ 65 kDa

### Swiss-Prot:

O75914

### 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

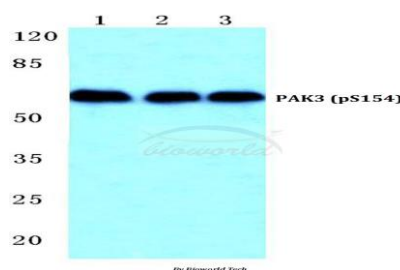
### Storage&Stability:

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

### Specificity:

p-PAK3 (S154) polyclonal antibody detects endogenous levels of PAK3 protein only when phosphorylated at Ser154.

### DATA:



Western blot (WB) analysis of p-PAK3 (S154) polyclonal antibody at 1:500 dilution

Lane1:HEK293T cell lysate treated with EGF(0.1ng/ML,30mins)

Lane2:sp2/0 cell lysate treated with EGF(0.1ng/ML,30mins)

Lane3:H9C2 cell lysate treated with EGF(0.1ng/ML,30mins)

### Note:

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

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