PAK3 (phospho-S154) polyclonal antibody

Catalog: BS4856 Host: Rabbit Reactivity: Human,Mouse,Rat

BackGround:

Three isoforms of serine/threonine kinases, designated αPAK p68, βPAK p65 and γPAK p62, have been shown to exhibit a high degree of sequence homology with the S. cerevisiae kinase Ste 20, involved in pheromone signaling. The α, β and γPAK 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 γPAK, including Ser 19, Ser 141 and Thr 402, and phosphorylation of Ser 141 and Thr 402 is correlated with γPAK activation. Once phosphorylated and their affinity for Rac/Cdc42 reduced, the PAK isoforms disassociate from the complex to seek downstream substrates.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

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

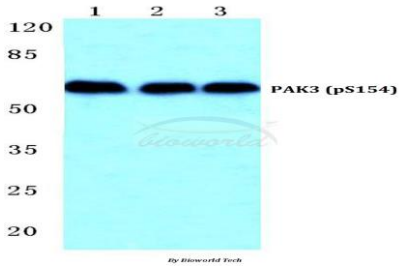
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ 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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