

PAK α (phospho-T212) polyclonal antibody

Catalog: BS4279

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

Three isoforms of serine/threonine kinases, designated α PAK p68, β PAK p65 and γ 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 α , β and γ 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 γ PAK, including Ser 19, Ser 141 and Thr 402, and phosphorylation of Ser 141 and Thr 402 is correlated with γ 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:

~ 60 kDa

Swiss-Prot:

Q13153

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

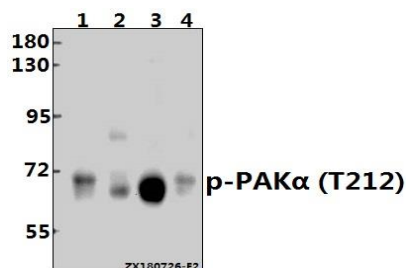
Storage&Stability:

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

Specificity:

PAK α (phospho-T212) polyclonal antibody detects endogenous levels of PAK α protein only when phosphorylated at Thr212.

DATA:



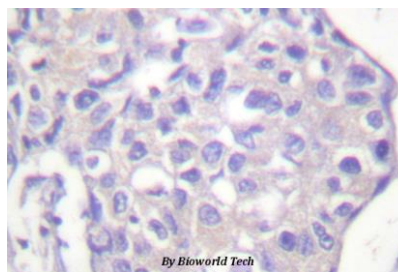
Western blot (WB) analysis of p-PAK α (T212) pAb at 1:500 dilution

Lane1:HeLa whole cell lysate(40ug)

Lane2:A549 whole cell lysate(40ug)

Lane3:C6 whole cell lysate(40ug)

Lane4:AML-12 whole cell lysate(40ug)



Note:

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

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