

PAK2 polyclonal antibody

Catalog: BS91013

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Three recently identified 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 STE20, 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. Once phosphorylated and their affinity for Rac/Cdc42 reduced, the PAK isoforms disassociate from the complex to seek downstream substrates. One such putative substrate is MEK kinase, an upstream effector of MEK4 which is involved in the JNK signaling pathway. While the PAK isoforms interact in a GTP-dependent manner with Rac1 and Cdc42, they do not interact with Rho.

Product:

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

Molecular Weight:

58 kDa

Swiss-Prot:

Q13177(Human) Q8CIN4(Mouse)

Purification&Purity:

ProA affinity purified

Applications:

WB:1:500-1:1,000

IHC:1:100-1:500

ICC:1:100-1:500

FC:1:50-1:100

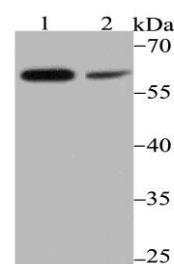
Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C or -80 °C. Avoid repeated freeze / thaw cycles.

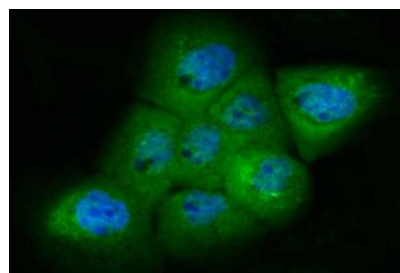
Specificity:

PAK2 polyclonal antibody detects endogenous levels of PAK2 protein.

DATA:



Western blot analysis of PAK2 on mouse thymus tissue (1) and MCF-7 cell (2) lysate using anti-PAK2 antibody at 1/500 dilution.



ICC staining PAK2 in A431 cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Note:

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

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