

PAK4/5/6 (phospho-S474) polyclonal antibody

Catalog: BS4854

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

PAK4 is highly expressed in prostate, testis and colon. PAK4 interacts tightly with GTP-bound but not GDP-bound CDC42 and weakly with RAC. PAK4 phosphorylates and autophosphorylates and also activates the JNK pathway. PAK5, a member of the PAK family of protein kinases contains a CDC42/Rac1 interactive binding (CRIB) motif at the N-terminus and a Ste20-like kinase domain at the C-terminus. PAK5 preferentially binds to CDC42 in the presence of GTP and the CRIB motif is essential for this interaction. PAK6 protein cotranslocates into the nucleus with androgen receptor, which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development, in response to androgen.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 72 kDa (PAK4), 82 kDa (PAK6), 90 (PAK7)

Swiss-Prot:

O96013/Q9NQ5/Q9P286

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

IHC: 1:50~1:200

ICC: 1:50~1:200

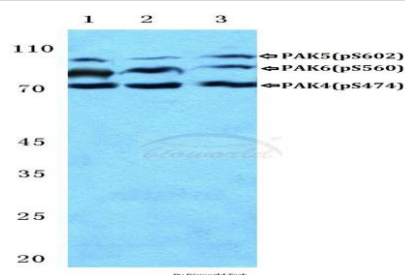
Storage&Stability:

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

Specificity:

p-PAK4/5/6 (S474) polyclonal antibody detects endogenous levels of PAK4, PAK5 and PAK6 only when phosphorylated at serine 474, 602, or 560, respectively. The antibody does not cross-react with phosphorylated PAK1, PAK2 or PAK3.

DATA:



Western blot (WB) analysis of p-PAK4/5/6 (S474) polyclonal antibody at 1:500 dilution

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

Lane2: Raw264.7 cell lysate treated with EGF (0.1 ng/mL, 30 mins)

Lane3: PC12 cell lysate treated with EGF (0.1 ng/mL, 30 mins)

Note:

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

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