PAK4/5/6 (V469) polyclonal antibody

Catalog: BCP01261 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:

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

Molecular Weight:

~ 64 kDa (PAK4), 80 kDa (PAK5), 75 kDa (PAK6)

Swiss-Prot:

O96013/Q9NQU5/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

IP: 1:10~1:100

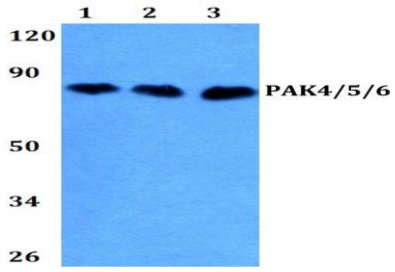
Storage&Stability:

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

Specificity:

PAK4/5/6 (V469) polyclonal antibody detects endogenous levels of PAK4, PAK5 and PAK6 protein.

DATA:



Western blot (WB) analysis of PAK4/5/6 (V469) pAb at 1:500 dilution

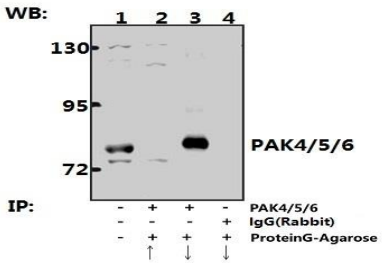
Lane1:H1792 whole cell lysate(20ug)

Lane2:MCF-7 whole cell lysate(20ug)

Lane3:PC3 whole cell lysate(20ug)

Lane4:The Testis tissue lysate of Mouse(40ug)

Lane5:The Testis tissue lysate of Rat(40ug)



Immunoprecipitation of HEK293T cell lysate using PAK4/5/6 (V469) polyclonal antibody (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate) #BD0048 (lane 4).Lane 1 is 30% input.The western blot was probed using PAK4/5/6 (V469). “↑”（supernatant）; “↓(deposition）

Note:

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