

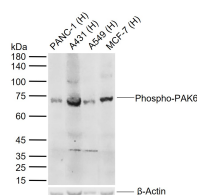
bs-3314R**[Primary Antibody]****Phospho-PAK6 (Ser560) Rabbit pAb****Bioss**
ANTIBODIES

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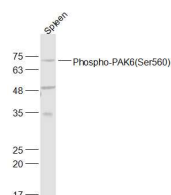
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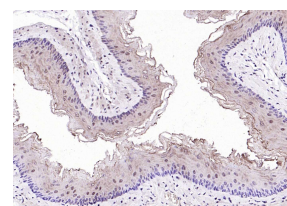
400-901-9800

DATASHEET**Host:** Rabbit**Isotype:** IgG**Clonality:** Polyclonal**GeneID:** 56924**SWISS:** Q9NQJ5**Target:** Phospho-PAK6 (Ser560)**Immunogen:** KLH conjugated Synthesised phosphopeptide derived from human PAK6 around the phosphorylation site of Ser560: RK(p-S)LV.**Purification:** affinity purified by Protein A**Concentration:** 1mg/ml**Storage:** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.**Background:** This gene encodes a protein that shares a high degree of sequence similarity with p21-activated kinase (PAK) family members. The proteins of this family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding (CRIB) domain and a carboxyl-terminal kinase domain. PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. The protein encoded by this gene was found to interact with androgen receptor (AR), which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development. The p21-activated protein kinase 6 gene was found to be highly expressed in testis and prostate tissues and the encoded protein was shown to cotranslocate into the nucleus with AR in response to androgen.**Applications:** **WB** (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**ICC/IF** (1:100)**Reactivity:** Human, Mouse, Rat, Cat
(predicted: Rabbit, Pig, Sheep, Cow, Chicken, Dog, Horse)**Predicted MW.:** 75 kDa**Subcellular Location:** Cytoplasm ,Nucleus**VALIDATION IMAGES**

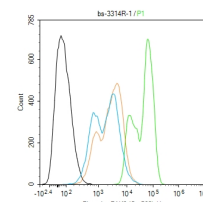
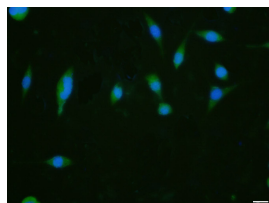
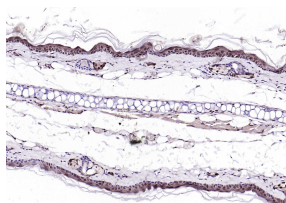
Sample: Lane 1: Human PANC-1 cell lysates Lane 2: Human A431 cell lysates Lane 3: Human A549 cell lysates Lane 4: Human MCF-7 cell lysates
Primary: Anti-Phospho-PAK6 (Ser560) (bs-3314R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kDa Observed band size: 73 kDa



Sample: Spleen (Mouse) Lysate at 40 ug Primary: Anti-Phospho-PAK6(Ser560) (bs-3314R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 75 kD Observed band size: 73 kD



Paraformaldehyde-fixed, paraffin embedded (mouse esophagus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PAK6 (Ser560)) Polyclonal Antibody, Unconjugated (bs-3314R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Paraformaldehyde-fixed, paraffin embedded (mouse skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-PAK6 (Ser560)) Polyclonal Antibody, Unconjugated (bs-3314R) at 1:100 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

A431 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Phospho-PAK6 (Ser560)) polyclonal Antibody, Unconjugated (bs-3314R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

Blank control (black line) :A549. Primary Antibody (green line): Rabbit Anti-Phospho-PAK6 (Ser560) antibody (bs-3314R) Dilution:1ug/Test; Secondary Antibody (white blue line) : Goat anti-rabbit IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Rabbit IgG Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

— SELECTED CITATIONS —

- **[IF=6.59]** Choi, Sik - Won, et al. "Repositioning Potential of PAK4 to Osteoclastic Bone Resorption." Journal of Bone and Mineral Research (2015). WB ;="Mouse". 25640698