

## Anti-Pak4 Polyclonal Antibody

**CATALOG NO:** 3444-30T 30 µg (Trial size)  
3444-100 100 µg

**HOST:** Rabbit

**IMMUNOGEN:** Synthetic peptide corresponding to amino acid residues near the N-terminus of human PAK4 (Internal ID# BV-D51G)

**SPECIES REACTIVITY:** Human, Mouse, Rat

**FORMULATION:**

0.5 mg/ml affinity purified rabbit anti-PAK4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.03% proclin.

**STORAGE CONDITIONS:**

Store at -20°C. For long term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

**BACKGROUND:**

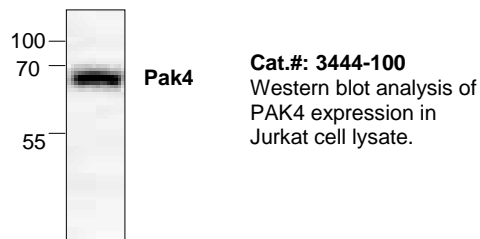
The PAK (p21-activated kinase) family of serine/threonine kinases plays an important role in multiple cellular processes, including cytoskeletal reorganization, MAPK signaling, apoptotic signaling, etc. Several mechanisms that induce PAK activation have been reported. Binding of Rac/cdc42 to the CRIB (or PBD) domain at the N-terminal region of PAK causes autophosphorylation and conformational change of PAK. More recently identified members PAK4, PAK5 and PAK6 have lower sequence similarity with PAK1-3 in the regulatory N-terminal region. It has been demonstrated that phosphorylation of serine 474 of PAK4 may play a pivotal role in the activity and function of PAK4 kinase

**SPECIFICITY:**

The antibody recognizes ~60-70 kDa Pak4 in samples of human, mouse, and rat origins. The antibody does not cross-react with other Paks. Reactivity to other species has not been tested.

**APPLICATION:**

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 3444BP-50) is available separately.



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