

## PAK1 Antibody Polyclonal Antibody

**catalog number: AN100004P**

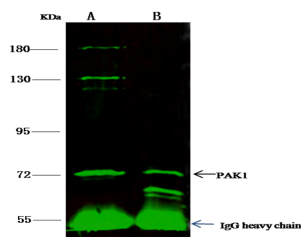
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Rat
<b>Immunogen</b>	A synthetic peptide corresponding to the C-terminus of the Rat PAK1
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Protein A & Antigen Affinity
<b>Buffer</b>	0.2 µm filtered solution in PBS

### Applications

Applications	Recommended Dilution
<b>WB</b>	1:500-1:1000
<b>ICC/IF</b>	1:1500-1:50000
<b>IP</b>	0.2-1 µL/mg of lysate



Immunoprecipitation analysis using 1 µL anti-PAK1 rabbit polyclonal antibody and 15 µL of 50 % Protein G agarose.

Western blot was performed from the immunoprecipitate using PAK1 rabbit polyclonal antibody at a dilution of 1:100.

Lane A: 0.5 mg 293T Whole Cell Lysate, Lane B: 0.5 mg

NIH-3T3 Whole Cell Lysate

**Observed-MW: 72 kDa**

**Calculated-MW: 66 kDa**

### Preparation & Storage

**Storage** This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.

**Shipping** Ice bag

### Background

P21-activated kinase-1 (PAK1) is an enzyme associated with multiple metabolic networks and different types of cancers. PAK1 (RAC/CDC42-activated kinase 1) is the major oncogenic/ageing kinase, and its dysfunction extends the healthy lifespan of *C. elegans* by activating HSP16 gene. The p21 protein (Cdc42/Rac)-activated kinase 1 (PAK1) expression appears to be predictive of prognosis in various solid tumors. PAK1 expression may be a predictive marker of overall survival and disease-specific survival in patients with solid tumors. p21-Activated kinase 1 (PAK1) has attracted much attention as a potential therapeutic target due to its central role in many oncogenic signaling pathways, its frequent dysregulation in cancers and neurological disorders, and its tractability as a target for small-molecule inhibition.

### For Research Use Only