PAK1 Antibody Polyclonal Antibody

catalog number: AN100004P

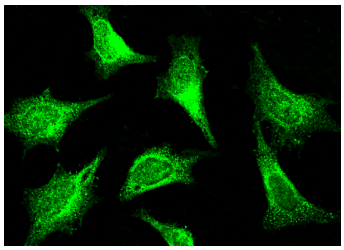
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

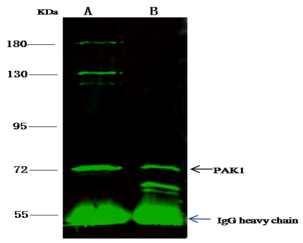
Reactivity	Rat
Immunogen	A synthetic peptide corresponding to the C-terminus of the Rat PAK1
Host	Rabbit
Isotype	IgG
Purification	Protein A & Antigen Affinity
Buffer	0.2 μm filtered solution in PBS

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

Data



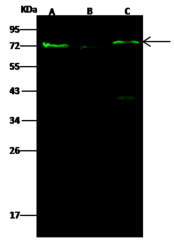
Immunofluorescence analysis of PAK1 in HeLa cells. Cells were fixed with 4% PFA, permeabilzed with 0.3% Triton X-100 in PBS,blocked with 10% serum, and incubated with rabbit anti-rat PAK1 polyclonal antibody (dilution ratio: 1:5000) at 4℃ overnight. Then cells were stained with the Alexa Fluor®488-conjugated Goat Anti-rabbit IgG secondary antibody (green).Positive staining was localized to cytoplasm.



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



Western Blot with PAK1 Antibody Polyclonal Antibody at dilution of 1:500. Lane A: HeLa Whole Cell Lysate, Lane B: A431 Whole Cell Lysate, Lane C: 293 Whole Cell Lysate, Lysates/proteins at 30 μg per lane.

Observed-MW:72 kDa

Calculated-MW:66 kDa

Preparation & Storage

Storage	This antibody can be stored at 2℃-8℃ for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20℃ to -80℃. 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.

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