

PAK-1/2/3 (Thr402) Antibody

Subcategory: Phosphospecific Antibody, Rabbit Polyclonal Antibody

Cat. No.: 252569

Unit: 0.1 ml

Description:

Serine/threonine-protein kinase PAK-1 (PAK-1) is a protein kinase that acts on a variety of targets. PAK-1 is the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. PAK-1 is activated by CDC42 and RAC1, and is involved in dissolution of stress fibers and reorganization of focal complexes. PAK-1 is involved in regulation of microtubule biogenesis through phosphorylation of TBCB. PAK-1 activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2. Autophosphorylation of Thr402 has been found to be essential for activation of PAK.

Isotype: Rabbit Ig

Applications: E, WB

Species Reactivity: B, D, H, M, R

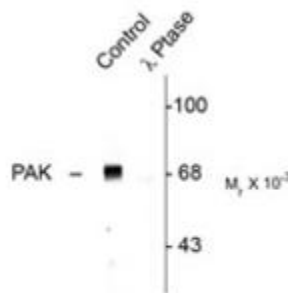
Format: Each vial contains 0.1 ml IgG in HEPES pH7.5, 150 mM NaCl, 0.01% BSA and 50% glycerol. Antibody was purified by immunogen affinity chromatography.

Alternate Names: Serine/threonine-protein kinase PAK 1; p21-activated kinase 1; PAK-1; p65-PAK; Alpha-PAK; PAK1

Accession No.: P35465

Antigen: KLH-conjugated synthetic phosphopeptide encompassing a sequence surrounding Thr402 of rat PAK-1, 2, 3. Thr402 in PAK-2 corresponds to Thr423 in human PAK-1.

Application Notes: E: 1:1,000; WB: 1:1,000



The PAK-1/2/3 (Thr402) Antibody is used in Western blot to detect phosphorylated PAK-1/2/3 in rat hippocampus tissue lysate (left lane). Phosphorylated PAK-1/2/3 is no longer detected upon treatment with phosphatase (right lane).

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.