

Phospho PAK4 (Ser474) Antibody

rev 12/19

CATALOG NO.: A1973-100 (100 µl)

BACKGROUND DESCRIPTION: PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

ALTERNATE NAMES: KIAA1142; Serine/threonine-protein kinase PAK 4; p21-activated kinase 4; PAK-4

ANTIBODY TYPE: Polyclonal

HOST/ISOTYPE: Rabbit / IgG

IMMUNOGEN: KLH-conjugated synthetic peptide targeting a sequence within the C-term region of human PAK4

MOLECULAR WEIGHT: 72 kDa

PURIFICATION: Affinity purified

FORM: Liquid

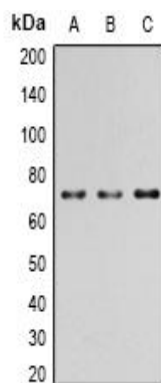
FORMULATION: In 0.42% Potassium phosphate; 0.87% NaCl; pH 7.3; 30% glycerol; and 0.01% sodium azide

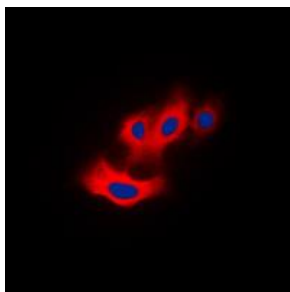
SPECIES REACTIVITY: Human, Mouse, Rat, Bovine

STORAGE CONDITIONS: Store at -20°C. Avoid freeze / thaw cycles

APPLICATIONS AND USAGE: WB 1:500 - 1:1000, IF 1:100 - 1:500

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user





Immunofluorescent analysis of phospho PAK4 (Ser474) staining in RAW264.7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at RT. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at RT in the dark. DAPI was used to stain the cell nuclei (blue).

RELATED PRODUCTS:

PAK4 Antibody (3444)
Phospho-PAK3 (Ser154) Antibody (A1726)
TGF-beta2 Antibody (5340)
p44/42 MAPK (Erk1/2) Antibody (3085R)

FOR RESEARCH USE ONLY! Not to be used on humans.