

AP14808PU-N**Polyclonal Antibody to PAK4 (N-term) - Purified**

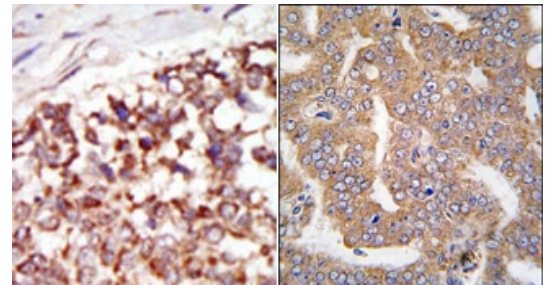
Alternate names:	KIAA1142, PAK 4, PAK-4, Serine/threonine-protein kinase PAK 4, p21-activated kinase 4
Quantity:	0.4 ml
Concentration:	lot specific
Background:	PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3, PAK4, PAK5, and PAK6. PAK proteins 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.
Uniprot ID:	O96013
NCBI:	9606
GeneID:	10298
Host / Isotype:	Rabbit / Ig
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human PAK4.
Format:	State: Liquid purified Ig Purification: Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS Buffer System: PBS with 0.09% (W/V) sodium azide
Applications:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody reacts to PAK4. Species: Human, Mouse. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
Caution:	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

General Readings:

1. Lu, Y., et al., J. Biol. Chem. 278(12):10374-10380 (2003).
2. Bagrodia, S., et al., Trends Cell Biol. 9(9):350-355 (1999).
3. Abo, A., et al., EMBO J. 17(22):6527-6540 (1998).

Pictures:

(LEFT) Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. (RIGHT) Formalin-fixed and paraffin-embedded human prostata carcinoma tissue reacted with PAK4 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining.



The anti-PAK4 Pab is used in Western blot to detect PAK4 in mouse small intestine tissue lysate.

