

AP00180PU-N**Polyclonal Antibody to PAK4 (N-term) - Aff - Purified**

Alternate names:	KIAA1142, PAK 4, PAK-4, Serine/threonine-protein kinase PAK 4, p21-activated kinase 4
Quantity:	0.1 mg
Concentration:	0.5 mg/ml
Background:	The PAK (p21-activated kinase) family of serine/threonine kinases plays an important role in multiple cellular processes, including cytoskeletal reorganization, MAPK signaling, apoptotic signaling, etc. Several mechanisms that induce PAK activation have been reported. Binding of Rac/cdc42 to the CRIB (or PBD) domain at the N-terminal region of PAK causes autophosphorylation and conformational change of PAK. More recently identified members PAK4, PAK5 and PAK6 have lower sequence similarity with PAK1-3 in the regulatory N-terminal region. It has been demonstrated that phosphorylation of serine 474 of PAK4 may play a pivotal role in the activity and function of PAK4 kinase.
Uniprot ID:	O96013
NCBI:	NP_001014831.1
GeneID:	10298
Host:	Rabbit
Immunogen:	Synthetic peptide corresponding to the N-terminus of human Pak4
Format:	State: Liquid Purification: Antigen affinity purified Buffer System: PBS containing 50 % glycerol, 1 % BSA, and 0.02 % sodium azide
Applications:	Western Blot: 1 µg/ml. Immunoprecipitation: 20 µg/ml. Immunohistochemistry: 20 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	The antibody recognizes 72 kDa Pak4. It does not cross-react with other Paks. Species: Human, Mouse, Rat. Other species not tested.
Storage:	Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C. Avoid repeated freezing and thawing. Shelf life: one year from despatch.