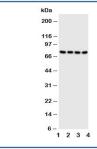


# PAK6 Antibody (R30819)

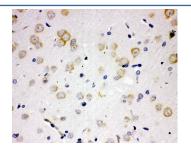
Catalog No.	Formulation	Size
R30819	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

## **Bulk quote request**

Availability	1-3 business days
Species Reactivity	Human, Rat, Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q9NQU5
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This PAK6 antibody is available for research use only.



Western blot testing of PAK6 antibody and Lane 1: HeLa; 2: 293T; 3: Raji; 4: COLO320 cell lysate



IHC-P: PAK6 antibody testing of rat brain tissue

#### **Description**

p21 protein-activated kinase 6 is an enzyme that in humans is encoded by the PAK6 gene. This gene encodes a protein that shares a high degree of sequence similarity with p21-activated kinase (PAK) family members. The proteins of this family are Rac/Cdc42-associated Ste20-like Ser/Thr protein kinases, characterized by a highly conserved amino-terminal Cdc42/Rac interactive binding(CRIB) domain and a carboxyl-terminal kinase domain. PAK kinases are implicated in the regulation of a number of cellular processes, including cytoskeleton rearrangement, apoptosis and the MAP kinase signaling pathway. The protein encoded by this gene was found to interact with androgen receptor(AR), which is a steroid hormone-dependent transcription factor that is important for male sexual differentiation and development. The p21-activated protein kinase 6 gene was found to be highly expressed in testis and prostate tissues and the encoded protein was shown to cotranslocate into the nucleus with AR in response to androgen.

#### **Application Notes**

The stated application concentrations are suggested starting amounts. Titration of the PAK6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

### **Immunogen**

An amino acid sequence from the N-terminus of human PAK6 (QNFQHRVHTSFDPKEGK) was used as the immunogen for this PAK6 antibody (100% homologous in human, mouse and rat).

#### **Storage**

After reconstitution, the PAK6 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.