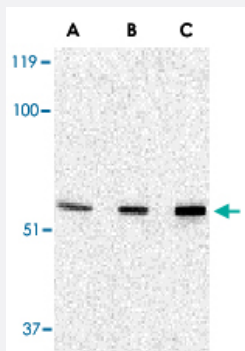


PAK2 polyclonal antibody

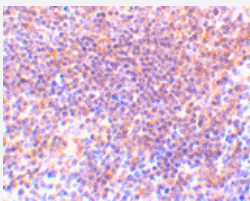
Catalog # PAB13218 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of PAK2 in Jurkat lysate with PAK2 polyclonal antibody (Cat # PAB13218) at (A) 0.5, (B) 1 and (C) 2 ug/mL .



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of PAK2 in mouse spleen tissue with PAK2 polyclonal antibody (Cat # PAB13218) at 10 ug/mL .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PAK2.
Immunogen	A synthetic peptide corresponding to N-terminus 14 amino acids of human PAK2.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.

Storage Buffer	In PBS (0.02% sodium azide)
Storage Instruction	Store at 4°C for three months. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of PAK2 in Jurkat lysate with PAK2 polyclonal antibody (Cat # PAB13218) at (A) 0.5, (B) 1 and (C) 2 ug/mL .

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry of PAK2 in mouse spleen tissue with PAK2 polyclonal antibody (Cat # PAB13218) at 10 ug/mL .

Gene Info — PAK2

Entrez GeneID	5062
Protein Accession#	NP_002568
Gene Name	PAK2
Gene Alias	PAK65, PAKgamma
Gene Description	p21 protein (Cdc42/Rac)-activated kinase 2
Omim ID	605022
Gene Ontology	Hyperlink
Gene Summary	The p21 activated kinases (PAK) are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. The PAK proteins are a family of serine/threonine kinases that serve as targets for the small GTP binding proteins, CDC42 and RAC1, and have been implicated in a wide range of biological activities. The protein encoded by this gene is activated by proteolytic cleavage during caspase-mediated apoptosis, and may play a role in regulating the apoptotic events in the dying cell. [provided by RefSeq]
Other Designations	S6/H4 kinase p21 (CDKN1A)-activated kinase 2 p21-activated kinase 2

Publication Reference

- [Posttranslational myristoylation of caspase-activated p21-activated protein kinase 2 \(PAK2\) potentiates late apoptotic events.](#)

Vilas GL, Corvi MM, Plummer GJ, Seime AM, Lambkin GR, Berthiaume LG.

PNAS 2006 Apr; 103(17):6542.

Application: WB, Human, Jurkat T cells

- [p21-activated kinases: three more join the Pak.](#)

Jaffer ZM, Chernoff J.

The International Journal of Biochemistry & Cell Biology 2002 Jul; 34(7):713.

- [Membrane and morphological changes in apoptotic cells regulated by caspase-mediated activation of PAK2.](#)

Rudel T, Bokoch GM.

Science 1997 Jun; 276(5318):1571.

Pathway

- [Axon guidance](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [MAPK signaling pathway](#)
- [Regulation of actin cytoskeleton](#)
- [Renal cell carcinoma](#)
- [T cell receptor signaling pathway](#)

Disease

- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Schizophrenia](#)