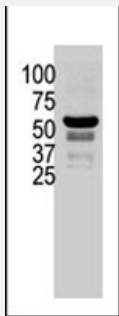


PAK2 polyclonal antibody

Catalog # PAB2299

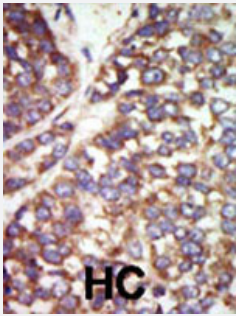
Size 400 uL

Applications



Western Blot (Cell lysate)

The PAK2 polyclonal antibody (Cat # PAB2299) is used in Western blot to detect PAK2 in ovary cell lysate. Data is kindly provided by Elena Black from Boston University (Boston, MA) .



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

Formalin-fixed and paraffin-embedded human hepatocellular carcinoma tissue reacted with the PAK2 polyclonal antibody (Cat # PAB2299) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry ; clinical relevance has not been evaluated. HC = hepatocarcinoma.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of PAK2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human PAK2.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. 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)

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Gene Info — PAK2

Entrez GeneID	5062
Protein Accession#	Q13177
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

- [Activation of an S6/H4 kinase \(PAK 65\) from human placenta by intramolecular and intermolecular autophosphorylation.](#)

Benner GE, Dennis PB, Masaracchia RA.

The Journal of Biological Chemistry 1995 Sep; 270(36):21121.

- [A novel serine kinase activated by rac1/CDC42Hs-dependent autophosphorylation is related to PAK65 and STE20.](#)

Martin GA, Bollag G, McCormick F, Abo A.

The EMBO Journal 1995 May; 14(9):1970.

Application: WB-Ti, Human, Rat, Brain, Heart, Kidney, Lung, Muscle, Liver, Neutrophil

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](#)