



Rabbit Anti-Human PAK2 Polyclonal Antibody (CABT-L2226)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Polyclonal Antibody to p21 Protein Activated Kinase 2 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PAK2. It has been selected for its ability to recognize PAK2 in immunohistochemical staining and western blotting.
Target	PAK2
Immunogen	Recombinant fragment corresponding to human PAK2 (Glu177~Ala419)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse
Purification	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	Lot specific
Size	200 µg
Buffer	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
Preservative	0.05% Proclin-300

Storage	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
Ship	4°C with ice bags

BACKGROUND

Introduction 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, Jul 2008]

Keywords PAK65;PAKgamma;p58;S6/H4 Kinase;Serine/threonine-protein kinase PAK 2

GENE INFORMATION

Gene Name	PAK2 p21 protein (Cdc42/Rac)-activated kinase 2 [Homo sapiens (human)]
Official Symbol	PAK2
Synonyms	PAK2; p21 protein (Cdc42/Rac)-activated kinase 2; PAK65; PAKgamma; serine/threonine-protein kinase PAK 2; p58; PAK-2; gamma-PAK; S6/H4 kinase; p21-activated kinase 2; p21 (CDKN1A)-activated kinase 2;
Entrez Gene ID	5062
Protein Refseq	NP_002568
UniProt ID	A8K5M4
Chromosome Location	3q29
Pathway	Activation of Rac; Adaptive Immune System; Apoptosis; Apoptotic execution phase; Axon guidance; C-MYC pathway; CD28 co-stimulation; CD28 dependent Vav1 pathway;
Function	ATP binding; identical protein binding; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; protein tyrosine kinase activator activity; receptor signaling protein serine/threonine kinase activity;