



Rabbit Anti-Human PAK1 Polyclonal Antibody (CABT-L2228)

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 1 (Knockout Validated)
Specificity	The antibody is a rabbit polyclonal antibody raised against PAK1. It has been selected for its ability to recognize PAK1 in immunohistochemical staining and western blotting.
Target	PAK1
Immunogen	Recombinant fragment corresponding to human PAK1 (Glu252~Cys501)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Rat
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
Warnings	For research use only.

BACKGROUND

Introduction	This gene encodes a family member of serine/threonine p21-activating kinases, known as PAK proteins. These proteins are critical effectors that link RhoGTPases to cytoskeleton reorganization and nuclear signaling, and they serve as targets for the small GTP binding proteins Cdc42 and Rac. This specific family member regulates cell motility and morphology. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2010]
Keywords	PAKalpha;p65-PAK;p21/Cdc42/Rac1-Activated Kinase 1;Serine/threonine-protein kinase PAK 1

GENE INFORMATION

Gene Name	PAK1 p21 protein (Cdc42/Rac)-activated kinase 1 [Homo sapiens (human)]
Official Symbol	PAK1
Synonyms	PAK1; p21 protein (Cdc42/Rac)-activated kinase 1; PAKalpha; serine/threonine-protein kinase PAK 1; p65-PAK; alpha-PAK; STE20 homolog, yeast; p21/Cdc42/Rac1-activated kinase 1 (yeast Ste20-related); p21/Cdc42/Rac1-activated kinase 1 (STE20 homolog, yeast);
Entrez Gene ID	5058
Protein Refseq	NP_001122092
UniProt ID	Q13153
Chromosome Location	11q13-q14
Pathway	Activation of Rac; Adaptive Immune System; Alpha6-Beta4 Integrin Signaling Pathway; Angiotensin receptor Tie2-mediated signaling; Aurora A signaling; Axon guidance; CD28 co-stimulation; CD28 dependent Vav1 pathway;
Function	ATP binding; collagen binding; protein binding; contributes_to protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; receptor signaling protein serine/threonine kinase activity;