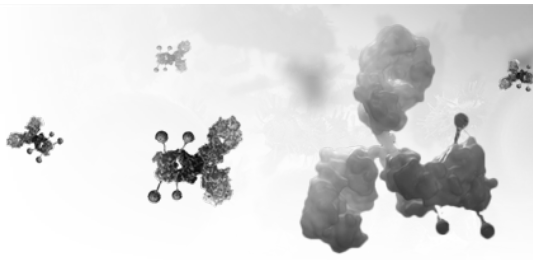

Anti-PAK1 polyclonal antibody (DPABY-753)

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

PRODUCT INFORMATION

Antigen Description	The activated kinase acts on a variety of targets. Likely to be the GTPase effector that links the Rho-related GTPases to the JNK MAP kinase pathway. Activated by CDC42 and RAC1. Involved in dissolution of stress fibers and reorganization of focal complexes. Involved in regulation of microtubule biogenesis through phosphorylation of TBCB. Activity is inhibited in cells undergoing apoptosis, potentially due to binding of CDC2L1 and CDC2L2.
Immunogen	C-NTEKQKKKPKMSDE
Isotype	IgG
Source/Host	Goat
Species Reactivity	Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Conjugate	Unconjugated
Applications	ELISA Pr*, WB
Cellular Localization	Recruited to focal adhesions upon activation.
Positive Control	The peptide used to product this antibody is available for purchase.
Format	Liquid
Concentration	0.5 mg/ml
Size	100 µg
Buffer	Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

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Preservative	0.02% Sodium Azide
Storage	Aliquot and store at -39°C. Minimize freezing and thawing.

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; Angiopoietin 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;

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