Recombinant Human PAK2 cell lysate

Cat. No. PAK2-1276HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Description	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.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	PAK2 p21 protein (Cdc42/Rac)-activated kinase 2 [Homo sapiens]
Official Symbol	PAK2
Synonyms	PAK2; p21 protein (Cdc42/Rac)-activated kinase 2; p21 (CDKN1A) activated kinase

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	2; serine/threonine-protein kinase PAK 2; PAK65; PAKgamma; S6/H4 kinase; p58; PAK-2; gamma-PAK; p21-activated kinase 2; p21 (CDKN1A)-activated kinase 2;
Gene ID	5062
mRNA Refseq	NM_002577
Protein Refseq	NP_002568
MIM	605022
UniProt ID	Q13177
Chromosome Location	3q29
Pathway	Activation of Rac, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Apoptosis, organism-specific biosystem; Apoptotic executionphase, organism-specific biosystem; Axon guidance, organism-specific biosystem; Axon guidance, conserved biosystem; Axon guidance, organism-specific biosystem;
Function	ATP binding; identical protein binding; nucleotide binding; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; protein tyrosine kinase activator activity;

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