



## PAK2 blocking peptide (CDBP5879)

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

### PRODUCT INFORMATION

<b>Antigen Description</b>	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]
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Used as a blocking peptide in immunoblotting applications.
<b>Format</b>	Liquid
<b>Concentration</b>	200 µg/mL
<b>Size</b>	0.05 mg
<b>Preservative</b>	None
<b>Storage</b>	-20°C

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">PAK2 p21 protein (Cdc42/Rac)-activated kinase 2 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	PAK2
<b>Synonyms</b>	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

<b>Entrez Gene ID</b>	<a href="#">5062</a>
<b>mRNA Refseq</b>	<a href="#">NM_002577</a>
<b>Protein Refseq</b>	<a href="#">NP_002568</a>
<b>UniProt ID</b>	Q13177
<b>Pathway</b>	Activation of Rac; Adaptive Immune System; Apoptosis; Apoptotic execution phase; Axon guidance; C-MYC pathway; CD28 co-stimulation; CD28 dependent Vav1 pathway
<b>Function</b>	ATP binding; identical protein binding; protein binding; protein kinase activity; protein kinase binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activator activity