



PAK7 blocking peptide (CDBP5882)

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

PRODUCT INFORMATION

Antigen Description	<p>The protein encoded by this gene is a member of the PAK family of Ser/Thr protein kinases. PAK family members are known to be effectors of Rac/Cdc42 GTPases, which have been implicated in the regulation of cytoskeletal dynamics, proliferation, and cell survival signaling. This kinase contains a CDC42/Rac1 interactive binding (CRIB) motif, and has been shown to bind CDC42 in the presence of GTP. This kinase is predominantly expressed in brain. It is capable of promoting neurite outgrowth, and thus may play a role in neurite development. This kinase is associated with microtubule networks and induces microtubule stabilization. The subcellular localization of this kinase is tightly regulated during cell cycle progression. Alternatively spliced transcript variants encoding the same protein have been described. [provided by RefSeq, Jul 2008]</p>
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Conjugate	Unconjugated
Applications	Used as a blocking peptide in immunoblotting applications.
Format	Liquid
Concentration	200 µg/mL
Size	0.05 mg
Preservative	None
Storage	-20°C

GENE INFORMATION

Gene Name	PAK7 p21 protein (Cdc42/Rac)-activated kinase 7 [Homo sapiens (human)]
Official Symbol	PAK7

Synonyms	PAK7; p21 protein (Cdc42/Rac)-activated kinase 7; PAK5; serine/threonine-protein kinase PAK 7; PAK-5; PAK-7; protein kinase PAK5; p21-activated kinase 5; p21-activated kinase 7; p21CDKN1A-activated kinase 7; p21(CDKN1A)-activated kinase 7; serine/threonine-protein kinase PAK7
Entrez Gene ID	57144
mRNA Refseq	NM_020341
Protein Refseq	NP_065074
UniProt ID	Q9P286
Pathway	Activation of Rac; Axon guidance; Developmental Biology; ErbB signaling pathway; Focal Adhesion; Focal adhesion; Ras signaling pathway; Regulation of Actin Cytoskeleton
Function	ATP binding; protein serine/threonine kinase activity