



PAK4 blocking peptide (CDBP5881)

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

PRODUCT INFORMATION

Antigen Description	PAK proteins, a family of serine/threonine p21-activating kinases, include PAK1, PAK2, PAK3 and PAK4. PAK proteins are critical effectors that link Rho GTPases to cytoskeleton reorganization and nuclear signaling. They serve as targets for the small GTP binding proteins Cdc42 and Rac and have been implicated in a wide range of biological activities. PAK4 interacts specifically with the GTP-bound form of Cdc42Hs and weakly activates the JNK family of MAP kinases. PAK4 is a mediator of filopodia formation and may play a role in the reorganization of the actin cytoskeleton. Multiple alternatively spliced transcript variants encoding distinct isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
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	PAK4 p21 protein (Cdc42/Rac)-activated kinase 4 [Homo sapiens (human)]
Official Symbol	PAK4
Synonyms	PAK4; p21 protein (Cdc42/Rac)-activated kinase 4; serine/threonine-protein kinase PAK 4; PAK-4; p21-activated kinase 4; p21(CDKN1A)-activated kinase 4; protein kinase related to S.

cerevisiae STE20, effector for Cdc42Hs

Entrez Gene ID	10298
mRNA Refseq	NM_001014831
Protein Refseq	NP_001014831
UniProt ID	O96013
Pathway	Activation of Rac; Axon guidance; CDC42 signaling events; Developmental Biology; ErbB signaling pathway; FGF signaling pathway; Focal Adhesion; Focal adhesion
Function	ATP binding; protein binding; protein kinase activity; protein serine/threonine kinase activity