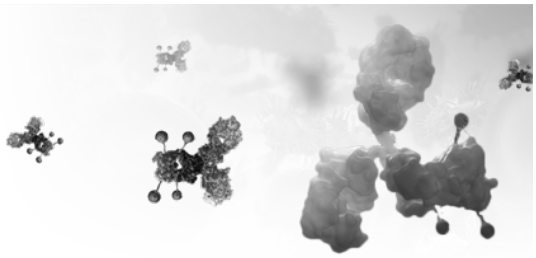

Human PLK4 blocking peptide (DAG-P1885)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the polo family of serine/threonine protein kinases. The protein localizes to centrioles, complex microtubule-based structures found in centrosomes, and regulates centriole duplication during the cell cycle. Three alternatively spliced transcript variants that encode different protein isoforms have been found for this gene. [provided by RefSeq, Jun 2010]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. CDC5/Polo subfamily.Contains 1 POLO box domain.Contains 1 protein kinase domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PLK4 polo-like kinase 4 [Homo sapiens (human)]
Official Symbol	PLK4
Synonyms	PLK4; polo-like kinase 4; SAK; STK18; serine/threonine-protein kinase PLK4; PLK-4; Snk akin kinase; serine/threonine kinase 18; serine/threonine-protein kinase 18; serine/threonine protein kinase SAK; serine/threonine-protein kinase Sak;

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Entrez Gene ID	10733
mRNA Refseq	NM_001190799.1
Protein Refseq	NP_001177728.1
UniProt ID	O00444
Chromosome Location	4q28
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Centrosome maturation, organism-specific biosystem; FoxO signaling pathway, organism-specific biosystem; G2/M Transition, organism-specific biosystem; Loss of Nlp from mitotic centrosomes, organism-specific biosystem; Loss of proteins required for interphase microtubule organization??from the centrosome, organism-specific biosystem; Mitotic G2-G2/M phases, organism-specific biosystem; PLK2 and PLK4 events,
Function	ATP binding; identical protein binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity; protein tyrosine kinase activity;

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