



Human AURKB blocking peptide (DAG-P1399)

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 aurora kinase subfamily of serine/threonine kinases. The genes encoding the other two members of this subfamily are located on chromosomes 19 and 20. These kinases participate in the regulation of segregation of chromosomes during mitosis and meiosis through association with microtubules. A pseudogene of this gene is located on chromosome 8. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2013]
Specificity	High level expression seen in the thymus. It is also expressed in the spleen, lung, testis, colon, placenta and fetal liver. Expressed during S and G2/M phase and expression is up-regulated in cancer cells during M phase.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. Aurora subfamily. 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	AURKB aurora kinase B [Homo sapiens (human)]
Official Symbol	AURKB

Synonyms	AURKB; aurora kinase B; AIK2; AIM1; ARK2; AurB; IPL1; STK5; AIM-1; STK12; PPP1R48; aurkb-sv1; aurkb-sv2; ARK-2; STK-1; aurora 1; aurora-1; aurora-B; aurora kinase B-Sv1; aurora kinase B-Sv2; aurora-related kinase 2; serine/threonine kinase 12; aurora/IPL1-related kinase 2; serine/threonine-protein kinase 5; serine/threonine-protein kinase 12; serine/threonine-protein kinase aurora-B; protein phosphatase 1, regulatory subunit 48; aurora- and Ipl1-like midbody-associated protein 1;
Entrez Gene ID	9212
mRNA Refseq	NM_001256834.1
Protein Refseq	NP_001243763.1
UniProt ID	Q96GD4
Chromosome Location	17p13.1
Pathway	APC/C-mediated degradation of cell cycle proteins, organism-specific biosystem; APC/C:Cdh1 mediated degradation of Cdc20 and other APC/C:Cdh1 targeted proteins in late mitosis/early G1, organism-specific biosystem; Aurora A signaling, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Aurora C signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; FOXM1 transcription factor network, organism-sp
Function	ATP binding; histone serine kinase activity; metal ion binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity;