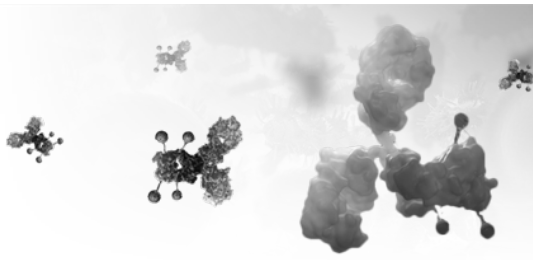

STK4 blocking peptide (DAG-P1713)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene is a cytoplasmic kinase that is structurally similar to the yeast Ste20p kinase, which acts upstream of the stress-induced mitogen-activated protein kinase cascade. The encoded protein can phosphorylate myelin basic protein and undergoes autophosphorylation. A caspase-cleaved fragment of the encoded protein has been shown to be capable of phosphorylating histone H2B. The particular phosphorylation catalyzed by this protein has been correlated with apoptosis, and its possible that this protein induces the chromatin condensation observed in this process. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitously expressed.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.Contains 1 protein kinase domain.Contains 1 SARAH domain.
Format	Liquid
Buffer	Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2
Preservative	0.02% Thimerosal
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Preservative: 0.02% Thimerosal (merthiolate) Constituents: 0.1% BSA, PBS, pH 7.2

GENE INFORMATION

Gene Name	STK4 serine/threonine kinase 4 [Homo sapiens (human)]
Official Symbol	STK4

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Synonyms	STK4; serine/threonine kinase 4; KRS2; MST1; YSK3; TIIAC; serine/threonine-protein kinase 4; MST-1; STE20-like kinase MST1; mammalian sterile 20-like 1; kinase responsive to stress 2; mammalian STE20-like protein kinase 1; serine/threonine-protein kinase Krs-2; dJ211D12.2 (serine/threonine kinase 4 (MST1, KRS2));
Entrez Gene ID	6789
mRNA Refseq	NM_006282.2
Protein Refseq	NP_006273.1
UniProt ID	Q13043
Chromosome Location	20q11.2-q13.2
Pathway	FoxO signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Non-small cell lung cancer, organism-specific biosystem; Non-small cell lung cancer, conserved biosystem; Pathways in cancer, organism-specific biosystem; Ras signaling pathway, organism-specific biosystem; Signal Transduction, organism-specific biosystem; Signaling by Hippo, organism-specific biosystem;
Function	ATP binding; identical protein binding; magnesium ion binding; protein binding; protein dimerization activity; protein homodimerization activity; protein serine/threonine kinase activator activity; protein serine/threonine kinase activity; protein serine/

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