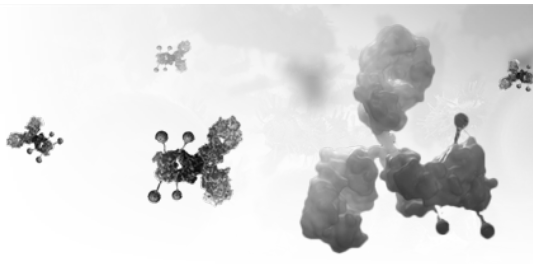

Human STK11 peptide (DAG-P0755)

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

PRODUCT INFORMATION

Antigen Description	This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]
Specificity	Ubiquitously expressed. Strongest expression in testis and fetal liver.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. LKB1 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	STK11 serine/threonine kinase 11 [Homo sapiens (human)]
Official Symbol	STK11
Synonyms	STK11; serine/threonine kinase 11; PJS; LKB1; hLKB1; serine/threonine-protein kinase STK11; liver kinase B1; polarization-related protein LKB1; renal carcinoma antigen NY-REN-19;

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	serine/threonine-protein kinase 11; serine/threonine-protein kinase LKB1;
Entrez Gene ID	6794
mRNA Refseq	NM_000455.4
Protein Refseq	NP_000446.1
UniProt ID	Q15831
Chromosome Location	19p13.3
Pathway	AMPK inhibits chREBP transcriptional activation activity, organism-specific biosystem; AMPK signaling, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Energy dependent regulation of mTOR by LKB1-AMPK, organism-specific biosystem; FoxO signaling pathway, organism-specific biosystem; IGF1R signaling cascade, organism-specific biosystem; IRS-mediated signalling, organism-specific biosystem; IRS-related
Function	ATP binding; LRR domain binding; magnesium ion binding; p53 binding; protein binding; protein complex binding; protein kinase activator activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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