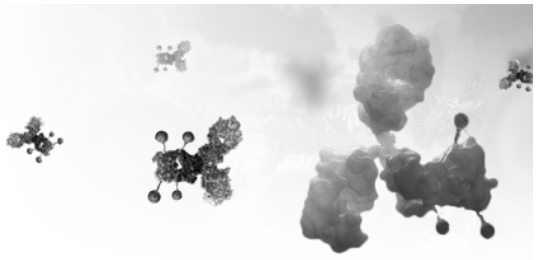

Anti-STK11 monoclonal antibody, clone Mfz 48E/H7 (DCABH-4144)

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

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to LKB1
Antigen Description	Essential role in G1 cell cycle arrest. Phosphorylates and activates members of the AMPK-related subfamily of protein kinases. Tumor suppressor.
Specificity	This antibody detects a single clean band representing LKB1/STK11 in Western blots on cells expressing LKB1.
Immunogen	Highly purified recombinant full length protein made in E. coli..
Isotype	IgG2b
Source/Host	Mouse
Species Reactivity	Mouse, Human
Clone	Mfz 48E/H7
Conjugate	Unconjugated
Applications	WB, ELISA, ICC/IF, IHC-P, Flow Cyt
Positive Control	Adenocarcinoma H441 cell line, Lung carcinoma cell line H1299
Format	Liquid
Size	100 µg
Buffer	Preservative: 0.05% Sodium Azide
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated

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freeze / thaw cycles.

GENE INFORMATION

Gene Name	STK11 serine/threonine kinase 11 [Homo sapiens]
Official Symbol	STK11
Synonyms	STK11; serine/threonine kinase 11; serine/threonine kinase 11 (Peutz Jeghers syndrome); serine/threonine-protein kinase STK11; LKB1; PJS; polarization related protein LKB1; liver kinase B1; polarization-related protein LKB1; renal carcinoma antigen NY-REN
Entrez Gene ID	6794
Protein Refseq	NP_000446
UniProt ID	Q15831
Chromosome Location	19p13.3
Pathway	AMPK inhibits chREBP transcriptional activation activity, 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; IRS-mediated signalling, organism-specific biosystem; IRS-related events, organism-specific biosystem; Insulin receptor signalling cascade, organism-specific biosystem;
Function	ATP binding; LRR domain binding; magnesium ion binding; nucleotide binding; p53 binding; protein binding; protein kinase activator activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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