

Product Name: STK11 Mouse Monoclonal Antibody**Catalog #: AMM80925**

For research use only.

Summary

Description	Mouse monoclonal Antibody
Host	Mouse
Application	WB,ELISA,FC
Reactivity	Human,Mouse,Monkey
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Monoclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	PBS containing 0.03% sodium azide.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:2000,ELISA 1:5000-1:20000,FC 1:200-1:400
Molecular Weight	54kDa

Antigen Information

Gene Name	STK11
Alternative Names	PJS; LKB1; STK11
Gene ID	6794.0
SwissProt ID	Q15831
Immunogen	Purified recombinant fragment of human STK11 expressed in E. Coli.

Background

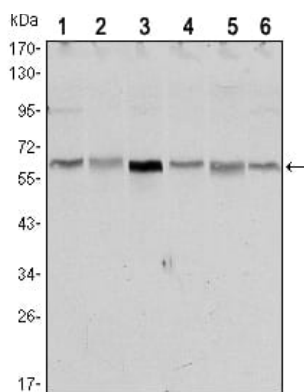
Essential role in G1 cell cycle arrest. Phosphorylates and activates members of the AMPK-related subfamily of protein kinases. Tumor suppressor. serine/threonine kinase 11, with two alternatively spliced isoforms, expressed in all tissues, strongly homolog of Xenopus early embryonic kinase 1 (XEEK1), tumor suppressor gene in hamartomas syndrome and in left sided colon

carcinogenesis, mutated in sporadic testicular cancer, malignant melanomas and laryngeal tumors, playing a minor role in the development of ovarian carcinoma. LKB1 is a potential target for atherosclerosis and cancer and is shown to be mutated in patients with Peutz-Jeghers cancer syndrome. Tissue specificity: Ubiquitously expressed. Strongest expression in testis and fetal liver.

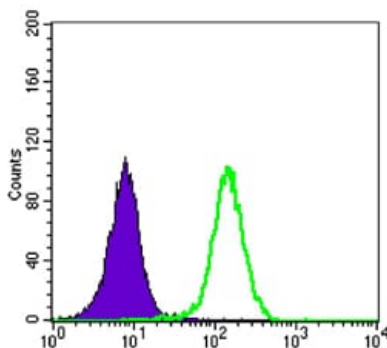
Research Area

Autophagy, Apoptosis, PI3K-Akt signaling pathway

Image Data



Western blot analysis using STK11 mouse mAb against NIH/3T3 (1), Raw246.7 (2), COS7 (3), Jurkat (4), HEK293 (5) and A431 (6) cell lysate.



Flow cytometric analysis of K562 cells using STK11 mouse mAb (green) and negative control (purple).