

STK11 Monoclonal Antibody

Description

Product type	Antibody
Code	BT-MCA4776
Host	Mouse
Isotype	Mouse IgG1
Size	100µL, 50µL
Immunogen	Purified recombinant fragment of human STK11 expressed in E. Coli.
Mol wt	54kDa
Species reactivity	Human,Mouse,Monkey
Clonality	Monoclonal
Recommended application	WB,FCM
Concentration	N/A
Full name	N/A
Synonyms	PJS;LKB1;STK11

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

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.

Recommended Dilution

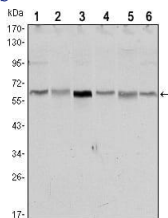
WB: 1:500 - 1:2000

FCM: 1:200 - 1:400

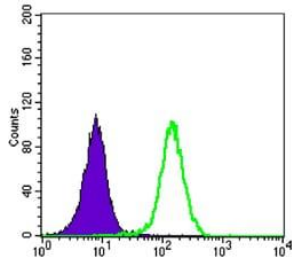
ELISA: 1:10000

Not yet tested in other applications.

Images



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).

Storage

Store at 4°C short term. Aliquot and store at -20°C long term.

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