



STK11 Mouse Monoclonal Antibody

E10-30139

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.

Catalog Number: E10-30139

Amount: 100µg/100µl

Clone Number: 4H12

Species: Mouse IgG1

MW: 54kDa

Aliases: PJS; LKB1; STK11

Entrez Gene: 6794

Immunogen: Purified recombinant fragment of human STK11 expressed in E. Coli.

Storage: Store at 4°C, for long term storage, store at -20°C.

Formulation: Ascitic fluid containing 0.03% sodium azide.

Species Reactivities: Human; Mouse; Monkey

Tested Applications: WB, FC, ELISA. Not yet tested in other applications.

Application notes: WB: 1/500 - 1/2000, FC: 1/200-1/400, ELISA: Propose dilution 1/10000.

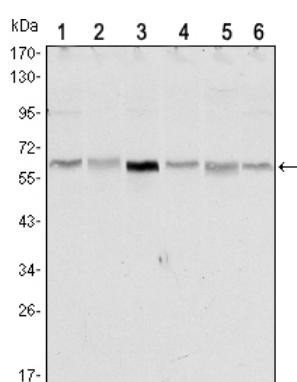


Figure 1: Western blot analysis using STK11 mouse mAb against NIH/3T3 (1),Raw246.7 (2), COS7 (3), Jurkat (4), HEK293 (5) and A431 (6) cell lysate.

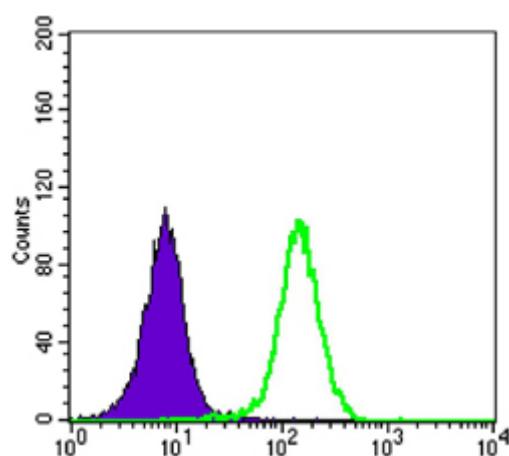


Figure 2: Flow cytometric analysis of K562 cells using STK11 mouse mAb (green) and negative control (purple).