

Mouse Monoclonal Antibody to STK11

Catalogue Number sAP-0491

Target Molecule **Name:** STK11

Aliases: PJS; LKB1; STK11

MW: 54kDa

Entrez Gene ID: 6794

Description 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.

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

Recitative Species Human; Mouse; Monkey

Clone MM4H12;

Size and Concentration 100µg/1mg/ml

Supplied as Lyophilized Powder from 100µl of Ascitic fluid containing 0.03% sodium azide. ; ;

Reconstitution/Storages Reconstituted with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage

Applications ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; FCM: 1 to 200 - 1 to 400

Shipping Regular FEDEX overnight shipment (ambient temperature)

Reference 1. Sci Signal. 2009 Jul 21;2(80):ra35. ; 2. Sci Signal. 2009 Sep 1;2(86):pe55.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**