

Mouse Monoclonal Antibody to STK11

Catalogue Number	sAP-0491
Target Molecule	<p>Name: STK11</p> <p>Aliases: PJS; LKB1; STK11</p> <p>MW: 54kDa</p> <p>Entrez Gene ID: 6794</p>
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. ; ;
Reactive 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 H ₂ O, 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**