

Datasheet for ABIN969424

anti-LKB1 antibody**2** Images**3** Publications[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	LKB1 (STK11)
Reactivity:	Human, Mouse, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This LKB1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS)

Product Details

Immunogen:	Purified recombinant fragment of human STK11 expressed in E. coli. ,
Clone:	4H12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	LKB1 (STK11)
Alternative Name:	STK11 (STK11 Products)
Background:	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

Target Details

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.

Aliases: PJS, LKB1, STK11

Molecular Weight: 54 kDa

Gene ID: 6794

HGNC: 6794

Pathways: [AMPK Signaling](#), [Carbohydrate Homeostasis](#), [Regulation of Carbohydrate Metabolic Process](#), [Warburg Effect](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, FCM: 1:200 - 1:400

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

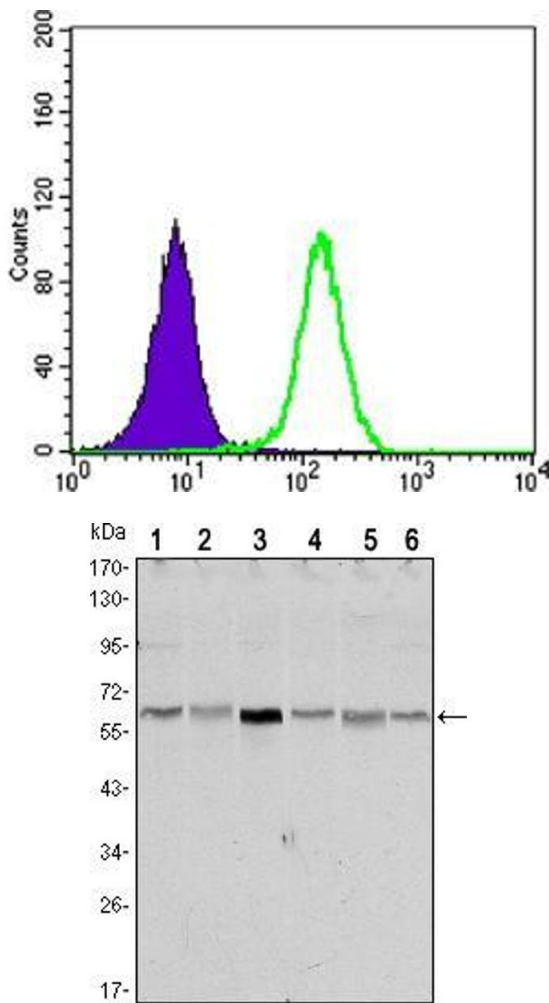
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Jacques, Pereira, Maia, Cuzzi, Ramos-e-Silva: "Expression of cytokeratins 10, 13, 14 and 19 in oral lichen planus." in: **Journal of oral science**, Vol. 51, Issue 3, pp. 355-65, (2009) ([PubMed](#)).



Flow Cytometry

Image 1. Flow cytometric analysis of K562 cells using STK11 mouse mAb (green) and negative control (purple).

Western Blotting

Image 2. 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.