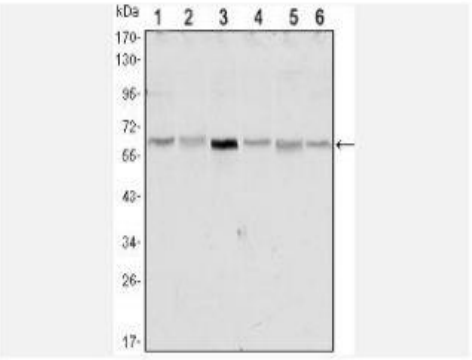
PRODUCT DATA SHEET

LKB1 Monoclonal Antibody

Catalog No.	IMB0205
Reactivity	Human;Mouse;Monkey
Applications	WB; FCM; ELISA
Gene Name	STK11
Protein Name	Serine/threonine-protein kinase 11
Human Gene Id	6794
Swiss-Prot	Q15831
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:500-1:2000 FCM: 1:200-1:400 ELISA: 1:10000
PurIF:ication	Affinity purIF:ication
Concentration	-
Storage&Stability	-20°C/1 year
Background	This gene, which encodes a member of the serine/threonine kinase family, regulates cell polarity and functions as a tumor suppressor. Mutations in this gene have been associated with Peutz-Jeghers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gastrointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008],
Subcellular Location.	Nucleus. Cytoplasm. Membrane. Mitochondrion. A small fraction localizes at membranes (By similarity). Relocates to the cytoplasm when bound to STRAD (STRADA or STRADB) and CAB39/MO25 (CAB39/MO25alpha or CAB39L/MO25beta). Translocates to the mitochondrion during apoptosis. PTEN promotes cytoplasmic localization. [Isoform 2]: Nucleus. Cytoplasm. Predominantly nuclear, but translocates to the cytoplasm in response to metformin or peroxynitrite treatment.
BiowMW	-

Products Images:



Western Blot analysis using LKB1 Monoclonal Antibody against NIH/3T3 (1),Raw246.7 (2), COS7 (3), Jurkat (4), HEK293 (5) and A431 (6) cell lysate.

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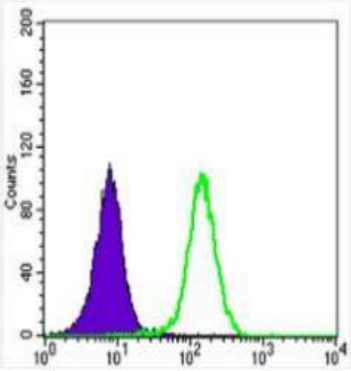

Flow cytometric analysis of K562 cells using LKB1 Monoclonal Antibody (green) and negative control (purple).