

## Product datasheet for **AM06552SU-N**

### LKB1 (STK11) Mouse Monoclonal Antibody [Clone ID: 4H12]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4H12
Applications:	ELISA, FC, WB
Recommended Dilution:	<b>ELISA:</b> 1/10000. <b>Western Blot:</b> 1/500 - 1/2000. <b>Flow Cytometry:</b> 1/200 - 1/400.
Reactivity:	Human, Monkey, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of Human STK11 expressed in E. Coli.
Specificity:	Recognizes STK11
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% Sodium Azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	54 kDa
Gene Name:	serine/threonine kinase 11
Database Link:	<a href="#">Entrez Gene 6794 Human Q15831</a>



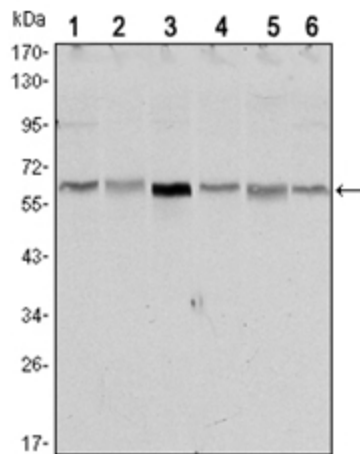
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**Background:**

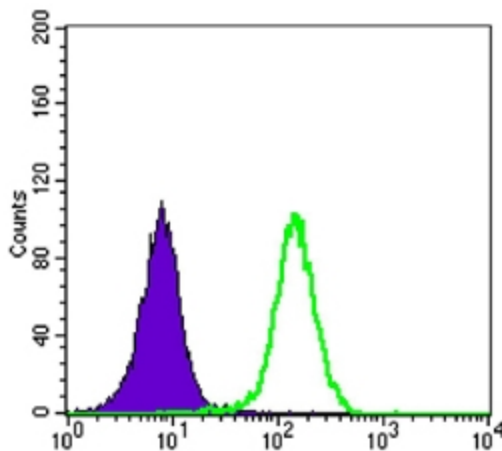
Essential role in G1 cell cycle arrest. Phosphorylates and activates members of the AMPK-related subfamily of protein kinases. Tumor suppressor. serine/threonine kinase 11, with two alternatively spliced isoforms, expressed in all tissues, strongly homolog of *Xenopus* early embryonic kinase 1 (XEEK1), 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.

**Synonyms:**

Serine/threonine-protein kinase 11, LKB1, PJS, NY-REN-19

**Product images:**


Western blot analysis using STK11 antibody Cat.-No AM06552SU-N against NIH/3T3 (1), Raw246.7 (2), COS7 (3), Jurkat (4), HEK293 (5) and A431 (6) cell lysate.



Flow Cytometric analysis of K562 cells using STK11 antibody Cat.-No AM06552SU-N (green) and negative control (purple).