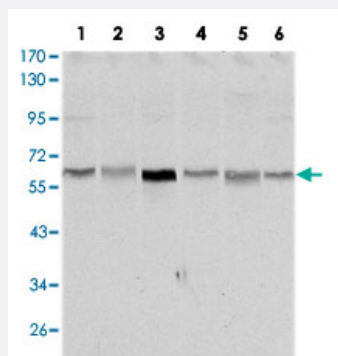


STK11 monoclonal antibody, clone 4H12

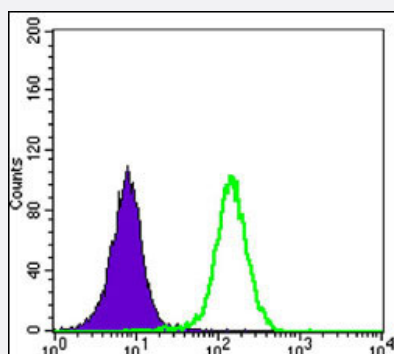
Catalog # MAB10327 Size 100 uL

Applications



Western Blot (Cell lysate)

Western blot analysis using STK11 monoclonal antibody, clone 4H12 (Cat # MAB10327) against NIH/3T3 (1), Raw246.7 (2), COS-7 (3), Jurkat (4), HEK293 (5) and A-431 (6) cell lysate.



Flow Cytometry

Flow cytometric analysis of K-562 cells using STK11 monoclonal antibody, clone 4H12 (Cat # MAB10327) (green) and negative control (purple).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant STK11.
Immunogen	Recombinant protein corresponding to human STK11.
Host	Mouse
Theoretical MW (kDa)	54
Reactivity	Human, Monkey, Mouse
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Flow cytometry (1:200-1:400) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis using STK11 monoclonal antibody, clone 4H12 (Cat # MAB10327) against NIH/3T3 (1), Raw246.7 (2), COS-7 (3), Jurkat (4), HEK293 (5) and A-431 (6) cell lysate.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

Flow cytometric analysis of K-562 cells using STK11 monoclonal antibody, clone 4H12 (Cat # MAB10327) (green) and negative control (purple).

Gene Info — STK11

Entrez GeneID	6794
Gene Name	STK11
Gene Alias	LKB1, PJS
Gene Description	serine/threonine kinase 11
Omim ID	175200 273300 602216
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

polarization-related protein LKB1|serine/threonine protein kinase 11

Pathway

- [Adipocytokine signaling pathway](#)
- [mTOR signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Colonic Neoplasms](#)
- [Colonic Polyps](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Gastrointestinal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hyperandrogenism](#)
- [Hyperinsulinism](#)
- [Insulin Resistance](#)

- [Long QT syndrome](#)
- [Lung Neoplasms](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Pancreatic cancer](#)
- [Pancreatic Neoplasms](#)
- [Peutz-Jeghers Syndrome](#)
- [Polycystic Ovary Syndrome](#)
- [Pulmonary Disease](#)
- [Torsades de Pointes](#)
- [Urinary Bladder Neoplasms](#)
- [Werner syndrome](#)