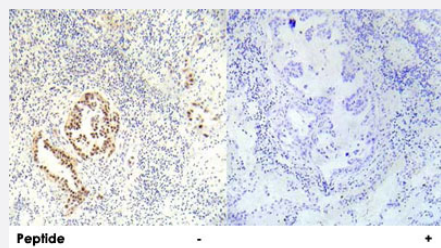


STK11 (phospho S334) polyclonal antibody

Catalog # PAB16956 Size 100 ug

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using STK11 (phospho Ser334) polyclonal antibody (Cat # PAB16956).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic phosphopeptide of STK11.
Immunogen	Synthetic phosphopeptide corresponding to residues surrounding S334 of human STK11.
Host	Rabbit
Reactivity	Human, Mouse
Specificity	This antibody detects endogenous levels of STK11 only when phosphorylated at serine 334.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) ELISA (1:4000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 20 mM PBS, 0.15 M NaCl, pH 7.2 (0.01% sodium azide)
Storage Instruction	Store at 4°C for three months. 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
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using STK11 (phospho Ser334) polyclonal antibody (Cat # PAB16956).

- Enzyme-linked Immunoabsorbent Assay

Gene Info — STK11

Entrez GeneID [6794](#)

Protein Accession# [Q15831](#)

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

Publication Reference

- [The tumor suppressor LKB1 kinase directly activates AMP-activated kinase and regulates apoptosis in response to energy stress.](#)

Shaw RJ, Kosmatka M, Bardeesy N, Hurley RL, Witters LA, DePinho RA, Cantley LC.

PNAS 2004 Feb; 101(10):3329.

- [LKB1 is the upstream kinase in the AMP-activated protein kinase cascade.](#)

Woods A, Johnstone SR, Dickerson K, Leiper FC, Fryer LG, Neumann D, Schlattner U, Wallimann T, Carlson M, Carling D.

Current Biology 2003 Nov; 13(22):2004.

- [The Peutz-Jegher gene product LKB1 is a mediator of p53-dependent cell death.](#)

Karuman P, Gozani O, Odze RD, Zhou XC, Zhu H, Shaw R, Brien TP, Bozzuto CD, Ooi D, Cantley LC, Yuan J.

Molecular Cell 2001 Jun; 7(6):1307.

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](#)