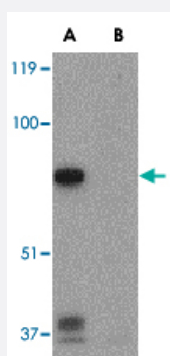


STK11 polyclonal antibody

Catalog # PAB12979 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of STK11 in PC-3 cell lysate with STK11 polyclonal antibody (Cat # PAB12979) at 1 ug/mL in the (A) absence or (B) presence of blocking peptide.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of STK11.
Immunogen	A synthetic peptide corresponding to C-terminus 15 amino acids of human STK11.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Recommend Usage	Western Blot (0.5-1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% 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 (Cell lysate)

Western blot analysis of STK11 in PC-3 cell lysate with STK11 polyclonal antibody (Cat # PAB12979) at 1 ug/mL in the (A) absence or (B) presence of blocking peptide.

Gene Info — STK11

Entrez GeneID	6794
Protein Accession#	AAH19334
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

- [MO25alpha/beta interact with STRADalpha/beta enhancing their ability to bind, activate and localize LKB1 in the cytoplasm.](#)

Boudeau J, Baas AF, Deak M, Morrice NA, Kieloch A, Schutkowski M, Prescott AR, Clevers HC, Alessi DR.
The EMBO Journal 2003 Oct; 22(19):5102.

Application: WB, Human, HeLa cells

- [Complexes between the LKB1 tumor suppressor, STRAD alpha/beta and MO25 alpha/beta are upstream kinases in the AMP-activated protein kinase cascade.](#)

Hawley SA, Boudeau J, Reid JL, Mustard KJ, Udd L, Makela TP, Alessi DR, Hardie DG.

Journal of Biology 2003 Sep; 2(4):28.

Application: IP, WB-Tr, WB-Ti, Human, Rat, HeLa, HEK 293T cells, MEFs, Rat livers

- [A serine/threonine kinase gene defective in Peutz-Jeghers syndrome.](#)

Hemminki A, Markie D, Tomlinson I, Avizienyte E, Roth S, Loukola A, Bignell G, Warren W, Aminoff M, Hoglund P, Jarvinen H, Kristo P, Pelin K, Ridanpaa M, Salovaara R, Toro T, Bodmer W, Olschwang S, Olsen AS, Stratton MR, de la Chapelle A, Aaltonen LA.

Nature 1998 Jan; 391(6663):184.

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](#)