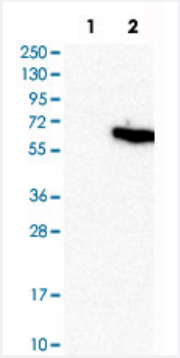
STK11 polyclonal antibody

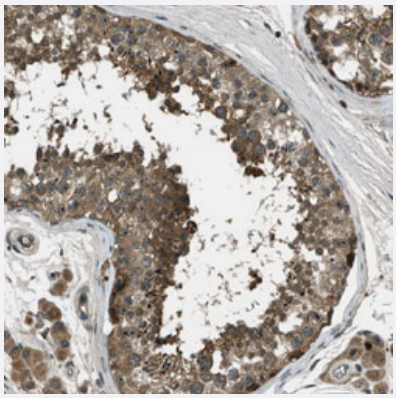
Catalog # PAB31473 Size 100 uL

Applications



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: negative control (vector only transfected HEK293T cell lysate) and Lane 2: over-expression lysate (co-expressed with a C-terminal myc-DDK tag in mammalian HEK293T cells) with STK11 polyclonal antibody (Cat # PAB31473).



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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human testis with STK11 polyclonal antibody (Cat # PAB31473) shows moderate cytoplasmic positivity in cells in seminiferous ducts.

Specification

Product Description	Rabbit polyclonal antibody raised against partial recombinant human STK11.
Immunogen	Recombinant protein corresponding to human STK11.
Sequence	DSTEVIYQPRRKRAKLIGKYLMGDLLGEGSYGKVKEVLDSETLCRRAVKILKKKKLRRIPNGEANVK KEIQLLRRLRHKNVIQLVDVLYNEEKQKMYMVMEYCVCGMQEMLDSVPEKRFPVCQ
Host	Rabbit
Reactivity	Human

Form	Liquid
Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:20-1:50) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% 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 shoul d be handled by trained staff only.

Applications

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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-Jeg hers syndrome, an autosomal dominant disorder characterized by the growth of polyps in the gast rointestinal tract, pigmented macules on the skin and mouth, and other neoplasms. Alternate trans criptional splice variants of this gene have been observed but have not been thoroughly characteri zed. [provided by RefSeq
Other Designations	polarization-related protein LKB1|serine/threonine protein kinase 11

Publication Reference

- Loss of LKB1 in high-grade endometrial carcinoma: LKB1 is a novel transcriptional target of p53.

  Co NN, Iglesias D, Celestino J, Kwan SY, Mok SC, Schmandt R, Lu KH.

  Cancer 2014 Nov; 120(22):3457.

  Application: IHC-P, WB-Ce, WB-Tr, Human, ECC-1, Hec-1A, Hec-1B, Ishikawa, KLE cells, Human endometrial carcinomas

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