

anti-Human LKB1 Polyclonal Antibody | anti-LKB1 antibody

Anti-LKB1 Antibody

CATALOG # AAA46243	REACTIVITY Human	APPLICATIONS Western Blot
------------------------------	----------------------------	-------------------------------------

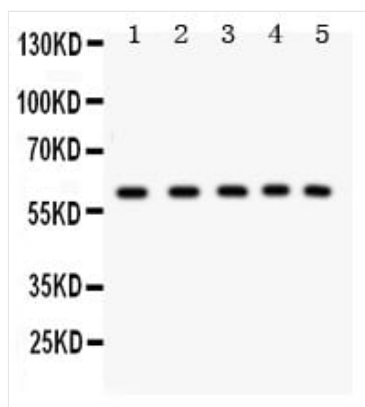
PRODUCT SYNONYMS

LKB1; Polyclonal Antibody; Anti-LKB1 Antibody; Serine/threonine-protein kinase STK11; hLKB1; Liver kinase B1; LKB 1; NY REN 19 antigen; Peutz Jeghers syndrome; PJS; Polarization related protein LKB1; Renal carcinoma antigen NY-REN-19; Serine/Threonine Kinase 11; Serine/threonine protein kinase 11; Serine/threonine protein kinase LKB1; Serine/threonine protein kinase STK11; Serine/threonine-protein kinase 11; Serine/threonine-protein kinase LKB1; Serine/threonine-protein kinase XEEK1; STK 11; STK11; STK11_HUMAN; serine/threonine kinase 11; anti-LKB1 antibody

PRODUCT SPECIFICATIONS

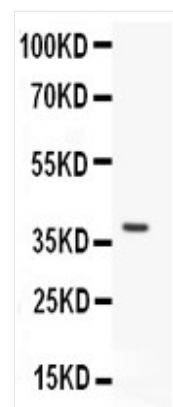
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	433
Applicable Applications for anti-LKB1 antibody	WB (Western Blot)
Immunogen	E Coli-derived human LKB1 recombinant protein (Position: K62-C430). Human LKB1 shares 89% amino acid (aa) sequence identity with both mouse and rat LKB1.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



WB (Western Blot)

Anti-LKB1 Picoband antibody, AAA46243, Western blottingAll lanes: Anti LKB1 (AAA46243) at 0.5ug/mlLane 1: 293T Whole Cell Lysate at 40ugLane 2: HT1080 Whole Cell Lysate at 40ugLane 3: SHG Whole Cell Lysate at 40ugLane 4: JURKAT Whole Cell Lysate at 40ugLane 5: Human Placenta Tissue Lysate at 50ugPredicted bind size: 48KDObserved bind size: 60KD



WB (Western Blot)

Anti-LKB1 Picoband antibody, AAA46243, Western blottingAll lanes: Anti LKB1 (AAA46243) at 0.5ug/mlWB: Recombinant Human LKB1 Protein 0.5ngPredicted bind size: 39KDObserved bind size: 39KD

ADDITIONAL INFORMATION

Related Product Information for anti-LKB1 antibody	Description: Rabbit IgG polyclonal antibody for Serine/threonine-protein kinase STK11(STK11) detection. Tested with WB in Human. Background: Serine/threonine kinase 11 or LKB1 is a protein kinase which in humans is encoded by the STK11 gene. The STK11 gene, which encodes a member of the serine/threonine kinase, regulates cell polarity and functions as a tumour suppressor. STK11 is a primary upstream kinase of adenine monophosphate-activated protein kinase (AMPK), a necessary element in cell metabolism that is required for maintaining energy homeostasis. It has been found that LKB1 physically associates with p53 and regulates specific p53-dependent apoptosis pathways. The STK11 gene extends over 23 kb of genomic DNA and is composed of 9 exons, which are transcribed in telomere-to-centromere direction.
References	1. Brown KA, McInnes KJ, Takagi K, Ono K, Hunger NI, Wang L, Sasano H, Simpson ER (November 2011). "LKB1 expression is inhibited by estradiol-17beta in MCF-7 cells". J. Steroid Biochem. Mol. Biol. 127 (3-5): 439-43. 2. Jenne DE, Reimann H, Nezu J, Friedel W, Loff S, Jeschke R, Müller O, Back W, Zimmer M (January 1998). "Peutz-Jeghers syndrome is caused by mutations in a novel serine threonine kinase".

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507271
NCBI GeneID	6794
NCBI Accession #	NP_000446.1
NCBI GenBank Nucleotide #	NM_000455.4
UniProt Accession #	Q15831; B2RBX7; E7EW76
Molecular Weight	45,387 Da
NCBI Official Full Name	serine/threonine-protein kinase STK11
NCBI Official Synonym Full Names	serine/threonine kinase 11
NCBI Official Symbol	STK11
NCBI Official Synonym Symbols	PJS; LKB1; hLKB1
NCBI Protein Information	serine/threonine-protein kinase STK11
UniProt Protein Name	Serine/threonine-protein kinase STK11
UniProt Gene Name	STK11
UniProt Synonym Gene Names	LKB1; PJS; LKB1; hLKB1
UniProt Entry Name	STK11_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.