

Anti-LKB1/STK11 Antibody Picoband® PE Conjugated

Catalog Number: PB9270-PE

About STK11

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.

Overview

Product Name	Anti-LKB1/STK11 Antibody Picoband® PE Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	Q15831

Technical Details

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.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 25973293, Tang Y, Li M, Wang YI, Threadgill Md, Xiao M, Mou Cf, Song Gl, Kuang J, Yang X, Yang L, Gao Xj, Wang Yp, Meng Yp. Am J Cancer Res. 2015 Jan 15;5(2):498-513. Ecollection 2015. Art1 Promotes Starvation-Induced Autophagy: A Possible Protective Role I...

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