

Anti-LKB1/STK11 Antibody (Monoclonal, 34S49)

Catalog Number: M00217-5

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 (Monoclonal, 34S49)
Reactive Species	Human, Monkey, Mouse, Rat
Description	Boster Bio Anti-LKB1/STK11 Antibody (Monoclonal, 34S49) catalog # M00217-5. Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat, Monkey.
Application	IP, IHC, WB
Clonality	Monoclonal 34S49
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q15831

Technical Details

Immunogen	Recombinant protein within human LKB1 aa 3-398.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.
Suggested Dilutions	Western blot, 1:500-2000 Immunohistochemistry, 1:50-200

ImmunoPrecipitation, 1:50

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