Polyclonal Anti- serine/threonine kinase 11,*STK11/LKB1 (*Sepharose Bead Conjugate)

Catalogue No. PA1355-S

Lot No. 01310120255124

Ig type: rabbit IgG

Size: 100µg/vial

Specificity
Human, rat. mouse.
No cross reactivity
with other proteins.

Recommended application
(Immunoprecipitation(IP)

Immunogen
A synthetic peptide corresponding to a sequence at the C-terminal of human STK11 (421-433 aa), different from the mouse sequence by one amino acid.

Purification
Immunogen affinity purified.

Formulation
50% slurry in PBS pH 7.2
with 0.01mg NaN_3a_3 preservative.

Storage
Store at 4˚C for frequent use.

Description:
This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

Serine/threonine kinase 11 or LKB1 is a protein kinase which in humans is encoded by the *STK11* gene. The *STK11/LKB1* gene, which encodes a member of the serine/threonine kinase, regulates cell polarity and functions as a tumour suppressor Smith et al. (1999) found that the mouse Lkb1 gene encodes a protein showing strong sequence similarity to human LKB1. Karuman et al. (2001) demonstrated that LKB1 physically associates with p53 (191170) and regulates specific p53-dependent apoptosis pathways. Jenne et al. (1998) determined that the STK11 gene extends over 23 kb of genomic DNA and is composed of 9 exons, which are transcribed in telomere-to-centromere direction. Smith et al. (1999) found that the mouse Lkb1 gene consists of 10 exons covering approximately 15 kb.

REFERENCE

1.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".

Contact: Antagene, Inc. | Tel: 1 (866) 964-2589 | Fax: 1 (888) 225-1868 | Email:Info@antageneinc.com