

## LATS1/2(Phospho-Ser909) Rabbit Polyclonal Antibody

## Description

Product type	Primary Antibody
Code	BT-AP03378
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phosho peptide around human LATS1/2 (Ser909)
Mol wt	N/A
Species reactivity	Human, Rat, Mouse
Clonality	Polyclonal
Recommended application	WB
Concentration	l mg/ml
Full name	Serine/threonine-protein kinase LATS1
Synonyms	Serine/threonine-protein kinase LATS1 ;EC 2.7.11.1;Large tumor suppressor homolog 1;WARTS protein kinase;h-warts; Serine/threonine-protein kinase LATS1; EC 2.7.11.1; Large tumor suppressor homolog 1; WARTS protein kinase; h-warts

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

## Background

The protein encoded by this gene is a putative serine/threonine kinase that localizes to the mitotic apparatus and complexes with cell cycle controller CDC2 kinase in early mitosis. The protein is phosphorylated in a cell-cycle dependent manner with late prophase phosphorylation remaining through metaphase. The N-terminal region of the protein binds CDC2 to form a complex showing reduced H1 histone kinase activity indicating a role as a negative regulator of CDC2/cyclin A. In addition the C-terminal kinase domain binds to its own N-terminal region suggesting potential negative regulation through interference with complex formation via intramolecular binding. Biochemical and genetic data suggest a role as a tumor suppressor. This is supported by studies in knockout mice showing development of soft-tissue sarcomas ovarian stromal cell tumors and a high sensitivity to carcinogenic treatmen

## **Recommended Dilution**

WB: 1: 1000 - 1: 2000 Not yet tested in other applications.

Images No images.

Storage -20°C for 1 year

> 501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com