

# LATS1(Phospho-Thr1079) Rabbit Polyclonal Antibody

## Description

Product type Primary Antibody

Code BT-AP11010

**Host** Rabbit

Isotype IgG

Size 100ul, 50ul, 20ul

Immunogen Synthesized phosho peptide around human LATS1 (Thr1079)

Mol wt N/A

Species reactivity Human, Mouse

Clonality Polyclonal

Recommended application WB

Concentration 1 mg/ml

Full name LATS1

Synonyms LATS1; Thr1079; 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