

LATS1(Phospho-Thr1079) Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP11010
Host	Rabbit
Isotype	IgG
Size	100ul, 50ul, 20ul
Immunogen	Synthesized phospho 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 treatment

Recommended Dilution

WB: 1: 1000 - 1: 2000

Not yet tested in other applications.

Images

No images.

Storage

-20°C for 1 year