

LATS1 Rabbit Polyclonal Antibody

Catalog No: #54491

Package Size: #54491-1 50ul #54491-2 100ul

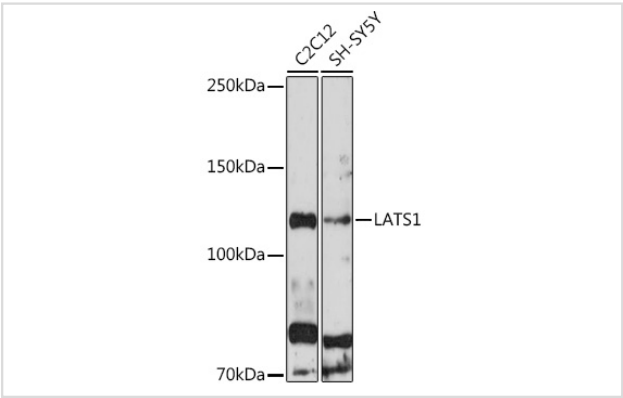
Description

Product Name	LATS1 Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant protein of human LATS1
Conjugates	Unconjugated
Other Names	LATS1;WARTS;wts
Accession No.	Swiss Prot:O95835Gene ID:9113
Calculated MW	76kDa/126kDa
SDS-PAGE MW	130kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

WB□1:2000 - 1:5000IHC□1:50 - 1:200

Images



Western blot analysis of extracts of various cell lines, using LATS1 antibody.

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 treatments.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.