

CAB22287

Product Information

Product SKU:	CAB22287	Gene ID:	9113	Size:	20uL, 100uL
Clone No:	ARC56891	Host Species:	Rabbit	Reactivity:	Human

Additional Information

Observed MW:	150kDa	Conjugate:	Unconjugated
Calculated MW:	127kDa	Isotype:	IgG

Immunogen Information

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.

Recommended Dilution: WB,1:1000 - 1:5000

Synonyms: wts; WARTS; LATS1

Purification Method: Affinity purification

Immunogen: A synthetic peptide corresponding to a sequence within amino acids 1-100 of human LATS1 (NP_004681.1).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.