

CABP0904

Product Information

Product SKU:	CABP0904	Gene ID:	9113/26524	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human

Additional Information

Observed MW:	140kDa	Conjugate:	Unconjugated
Calculated MW:	76kDa/126kDa	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,1:500 - 1:2000
Synonyms:	LATS1; WARTS; wts; phospho-LATS1-S909/LATS2-S872
Purification Method:	Affinity purification
Immunogen:	A synthetic phosphorylated peptide around S909 of human LATS1 (NP_004681.1).
Storage:	Store at -20°C. Avoid freeze / thaw cycles.Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.