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LATS1 Antibody

货号: ABY1014

产品信息

反应	Human, Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB
推荐浓度	**WB:** 1:500-1:2000
理论分子量	127kDa
实测分子量	
形式	Liquid
保存条件	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS with 0.75% BSA,50% glycerol,pH7.5.
偶联物	Unconjugated
阳性对照	HeLa,C2C12
细胞定位	Cytoplasm, cytoskeleton, microtubule organizing
纯化	亲和纯化

抗原信息

抗原信息	

靶点信息

研究背景	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.
基因ID	9113
基因名	LATS1
Swiss	O95835 (https://www.uniprot.org/uniprotkb/O95835/entry)
别名	h-warts; Large tumor suppressor homolog 1; LATS large tumor suppressor homolog 1; LATS1; LATS1_HUMAN; Serine threonine protein kinase LATS1; Serine/threonine-protein kinase LATS1; WARTS; WARTS protein kinase; wts;

产品验证

实验步骤

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