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LATS1 (Phospho-Thr1079/1041) Antibody

货号: AYP4453

产品信息

反应	Human,Mouse
宿主	Rabbit
克隆性	Polyclonal
预测反应	
应用	WB IHC ELISA
推荐浓度	**WB:** 1:500 - 1:2000 **IHC:** 1:50 - 1:200
理论分子量	76kDa/126kDa
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,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa
细胞定位	Cytoplasm,centrosome,cytoskeleton,microtubule organizing center
纯化	Affinity purification

抗原信息

抗原信息	Synthesized peptide derived from Human LATS1 (Phospho-Thr1079/1041).

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	9113,26524
基因名	LATS1,LATS2
Swiss	O95835Q9NRM7 (https://www.uniprot.org/uniprotkb/O95835Q9NRM7/entry)
别名	LATS1,WARTS,wts,LATS1 (Phospho-Thr1079/1041),LATS1 (Phospho-Thr1079/1041) Antibody,LATS2

产品验证

实验步骤

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