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# phospho-LATS1-S909/LATS2-S872 Rabbit pAb

货号: **AYP11775**

## 产品信息

反应	Human
宿主	Rabbit
克隆性	Polyclonal
预测反应	<b>WB:</b> Homo sapiens , Rattus norvegicus
应用	WB
推荐浓度	<b>WB:</b> 1:500 - 1:2000
理论分子量	76kDa/126kDa
实测分子量	140KDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,50% 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

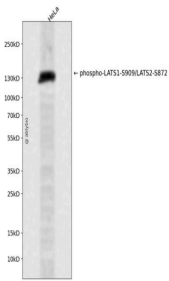
## 抗原信息

抗原信息	A synthetic phosphorylated peptide around S909 of human LATS1 (NP_004681.1).
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## 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	O95835 ( <a href="https://www.uniprot.org/uniprotkb/O95835/entry">https://www.uniprot.org/uniprotkb/O95835/entry</a> ), Q9NRM7 ( <a href="https://www.uniprot.org/uniprotkb/Q9NRM7/entry">https://www.uniprot.org/uniprotkb/Q9NRM7/entry</a> )
别名	LATS1,WARTS,wts,phospho-LATS1-S909/LATS2-S872 Rabbit pAb,LATS2,Large tumor suppressor homolog 1,WARTS protein kinase,Kinase phosphorylated during mitosis protein,Large tumor suppressor homolog 2, Serine/threonine-protein kinase kpm,Warts-like kinase,KPM

## 产品验证



Western blot analysis of phospho-LATS1-S909/LATS2-S872 expressed in HeLa using phospho-LATS1-S909/LATS2-S872 Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

## 实验步骤

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