


### Anti-LATS1/WARTS antibody ab70562

★★★★★ [1 Abreviews](#) [10 References](#) [2 图像](#)

#### 概述

产品名称	Anti-LATS1/WARTS抗体
描述	兔多克隆抗体to LATS1/WARTS
宿主	Rabbit
经测试应用	适用于: WB
种属反应性	与反应: Mouse, Human 预测可用于: Rat, Chimpanzee, Rhesus monkey, Gorilla, Orangutan 
免疫原	Synthetic peptide corresponding to Human LATS1/WARTS aa 1075-1130 (C terminal). Database link: <a href="#">O95835</a>
阳性对照	WB: HeLa whole cell lysate, mouse TCMK-1, 4T1 and CT26.WT whole cell lysate
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 7 Preservative: 0.09% Sodium azide Constituents: 1.815% Tris, 1.764% Sodium citrate, 0.021% PBS
纯度	Immunogen affinity purified
纯化说明	ab70562 was affinity purified using an epitope specific to LATS1/WARTS immobilized on solid support.
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee      **Abpromise™**承诺保证使用ab70562于以下的经测试应用

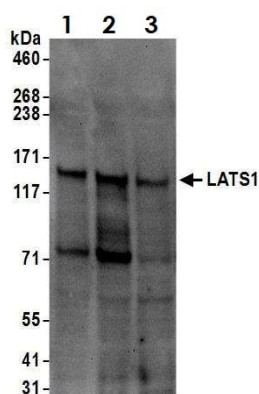
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (1)	1/1000 - 1/10000. Detects a band of approximately 160 kDa (predicted molecular weight: 127 kDa).

靶标

功能	Negative regulator of YAP1 in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Acts as a tumor suppressor which plays a critical role in maintenance of ploidy through its actions in both mitotic progression and the G1 tetraploidy checkpoint. Negatively regulates G2/M transition by down-regulating CDK1 kinase activity. Involved in the control of p53 expression. Affects cytokinesis by regulating actin polymerization through negative modulation of LIMK1. May also play a role in endocrine function.
组织特异性	Expressed in all adult tissues examined except for lung and kidney.
序列相似性	Belongs to the protein kinase superfamily. AGC Ser/Thr protein kinase family. Contains 1 AGC-kinase C-terminal domain. Contains 1 protein kinase domain. Contains 1 UBA domain.
翻译后修饰	Autophosphorylated and phosphorylated during M-phase of the cell cycle. Phosphorylated by STK3/MST2 at Ser-909 and Thr-1079, which results in its activation. Phosphorylation at Ser-464 by NUA1 and NUA2 leads to decreased protein level and is required to regulate cellular senescence and cellular ploidy.
细胞定位	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Localizes to the centrosomes throughout interphase but migrates to the mitotic apparatus, including spindle pole bodies, mitotic spindle, and midbody, during mitosis.

图片



Western blot - Anti-LATS1/WARTS antibody  
(ab70562)

**All lanes :** Anti-LATS1/WARTS antibody (ab70562) at 1 µg/ml

**Lane 1 :** TCMK-1 whole cell lysate

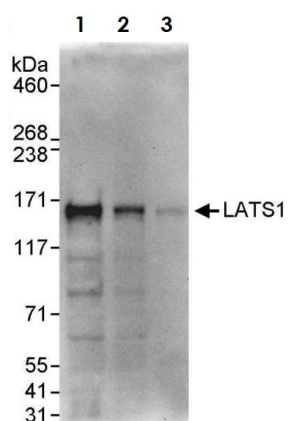
**Lane 2 :** 4T1 whole cell lysate

**Lane 3 :** CT26.WT whole cell lysate

Lysates/proteins at 50 µg per lane.

**Predicted band size:** 127 kDa

**Exposure time:** 30 seconds



Western blot - Anti-LATS1/WARTS antibody  
(ab70562)

**All lanes :** Anti-LATS1/WARTS antibody (ab70562) at 0.1 µg/ml

**Lane 1 :** HeLa at 50 µg

**Lane 2 :** HeLa at 15 µg

**Lane 3 :** HeLa at 5 µg

**Predicted band size:** 127 kDa

**Exposure time:** 30 seconds

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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