

## LATS2 polyclonal antibody

Catalog: BS67464

Host: Rabbit

Reactivity: Human

### BackGround:

Large tumor suppressor kinase 2 (LATS2) is an AGC kinase of the NDR family of kinases. It is a LATS family tumor suppressor that plays a critical role in centrosome duplication, maintenance of mitotic fidelity, and genomic stability. LATS2 inhibits cell growth at the G1/S transition by down-regulating cyclin E/CDK2 kinase activity. It also plays an important role in regulation of the Hippo pathway, which is important in controlling organ size and tumor progression by regulating cellular proliferation and promoting apoptosis.

### Product:

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 150 kDa

### Swiss-Prot:

Q9NRM7

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200), IF/ICC (1/50 - 1/200)

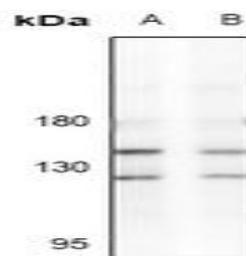
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of LATS2 protein.

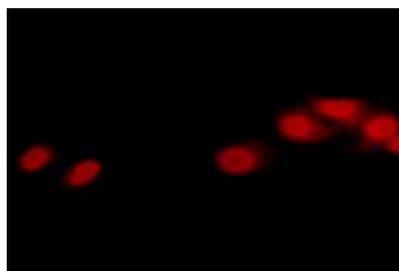
### DATA:



Western blot analysis of LATS2 expression in A549 (A), SGC7901 (B) whole cell lysates.



Immunohistochemical analysis of LATS2 staining in human skeletal muscle formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of LATS2 staining in HepG2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a Alexa Fluor

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## PRODUCT DATA SHEET

Bioworld Technology, Inc.

594-conjugated secondary antibody (red) in PBS at room temperature in the dark.

**Note:**

For research use only, not for use in diagnostic procedure.

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