

A18286

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LATS1/LATS2 Rabbit pAb

Catalog No.: A18286

Basic Information

Observed MW

Refer to figures

Calculated MW

Category

Polyclonal Antibody

Applications

WB, ELISA

Cross-Reactivity

Human

Background

Serine/threonine-protein kinase LATS1 and LATS2 are 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. LATS1 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. LATS1 negatively regulates G2/M transition by down-regulating CDK1 kinase activity. LATS1 is involved in the control of p53 expression and actin polymerization through negative modulation of LIMK1. LATS2 also acts as a tumor suppressor which plays a critical role in centrosome duplication, maintenance of mitotic fidelity and genomic stability. LATS2 negatively regulates G1/S transition by down-regulating cyclin E/CDK2 kinase activity. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration.

Recommended Dilutions

WB 1:500 - 1:2000

Immunogen Information

Gene ID

9113/26524

Swiss Prot

O95835/Q9NRM7

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 900-1000 of human LATS1/LATS2 (NP_004681.1).

Synonyms

LATS1; WARTS; wts; LATS1/LATS2

Contact



www.abclonal.com

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.