bs-3245R **[Primary Antibody]**

phospho-LATS1 (Thr1079) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 26524 **SWISS:** Q9NRM7

Target: LATS1 (Thr1079)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human LATS1 around the phosphorylation site of Thr1079: EF(P-T)FR.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes a serine/threonine protein kinase belonging to the LATS tumor suppressor family. The protein localizes to centrosomes during interphase, and early and late metaphase. It interacts with the centrosomal proteins aurora-A and ajuba and is required for accumulation of gamma-tubulin and spindle formation at the onset of mitosis. It also interacts with a negative regulator of p53 and may function in a positive feedback loop with p53 that responds to cytoskeleton damage. Additionally, it can function as a co-repressor of androgen-responsive gene expression. [provided by RefSeq].

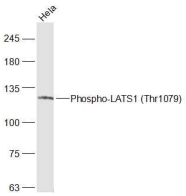
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Mouse, Rat)

Predicted MW.: 124 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Hela(Human) Cell Lysate at 30 ug Primary: Anti-Phospho-LATS1 (Thr1079) (bs-3245R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 124 kD Observed band size: 124 kD

SELECTED CITATIONS

- **[IF=5.5]** Li Lin. et al. GPR137 inactivates Hippo signaling to promote gastric cancer cell malignancy. BIOL DIRECT. 2024 Dec;19(1):1-16 WB,CoIP ;Human. 38163861
- **[IF=4.5]** Shouying Xu. et al. ARID1A restrains EMT and stemness of ovarian cancer cells through the Hippo pathway. INT J ONCOL. 2024 Aug;65(2):1-11 WB ;Human. 38873993
- **[IF=4.7]** Tianwei Dong. et al.Cannabidiol Ameliorates Doxorubicin-Induced Myocardial Injury via Activating Hippo Pathway.DRUG DESIGN DEVELOPMENT AND THERAPY.2025 Jan 24:19:569-583. Western blot ;Rat, mouse. 39876987
- **[IF=1.4]** Bingyi Chen. et al. The inhibition of γ-Aminobutyric Acid B1 receptor regulates angiogenesis via the Hippo/YAP signaling pathway. ANN VASC SURG. 2024 Jul;: WB ;Human. 39025214