

**bs-4082R****[ Primary Antibody ]****phospho-LATS2 (Ser83) Rabbit pAb****Bioss**  
ANTIBODIES

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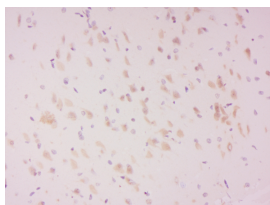
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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500)
<b>Clonality:</b> Polyclonal		<b>IHC-F</b> (1:100-500)
<b>GeneID:</b> 26524	<b>SWISS:</b> Q9NRM7	<b>IF</b> (1:100-500)
<b>Target:</b> LATS2 (Ser83)		<b>Reactivity:</b> Rat (predicted: Human, Mouse, Pig, Cow, Dog, Horse)
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human LATS2 around the phosphorylation site of Ser83: RY(p-S)LL.		<b>Predicted MW.:</b> 120-150 kDa
<b>Purification:</b> affinity purified by Protein A		<b>Subcellular Location:</b> Cytoplasm
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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].		

**— VALIDATION IMAGES —**

Tissue/cell: Rat brain tissue; 4%  
Paraformaldehyde-fixed and paraffin-  
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Incubation: Anti-phospho-LATS2 (Ser83) Polyclonal Antibody, Unconjugated(bs-4082R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

**— SELECTED CITATIONS —**

- **[IF=5.682]** Xinhao Wang. et al. Yes-associated protein reacts differently in vascular smooth muscle cells under different intensities of mechanical stretch. Aging-U.S. 2022 Jan 15; 14(1): 286–296 WB ;Rat. 34983026
- **[IF=3.457]** Li L et al. The inhibition of Hippo/Yap signaling pathway is required for magnesium isoglycyrrhizinate to ameliorate hepatic stellate cell inflammation and activation. Biomed Pharmacother. 2018 Oct;106:83-91. ICC ;Mouse. 29957470

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=1.4]** Bingyi Chen. et al. The inhibition of  $\gamma$ -Aminobutyric Acid B1 receptor regulates angiogenesis via the Hippo/YAP signaling pathway. ANN VASC SURG. 2024 Jul; WB ;Human. 39025214