

bs-4081R**[Primary Antibody]****LATS2 Rabbit pAb****Bioss**
ANTIBODIES

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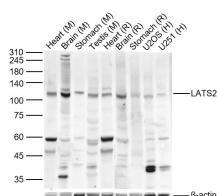
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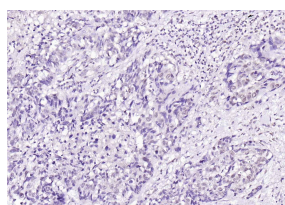
400-901-9800

— DATASHEET —

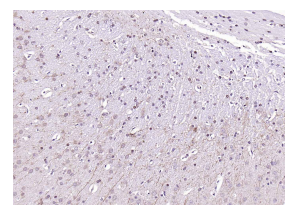
Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 26524	SWISS: Q9NRM7	
Target: LATS2		
Immunogen: KLH conjugated synthetic peptide derived from human LATS2: 641-740/1088.		
Purification: affinity purified by Protein 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].		
		Reactivity: Human, Mouse, Rat (predicted: Rabbit, Cow, Chicken, Dog, Horse)
		Predicted MW.: 120 kDa
		Subcellular Location: Cytoplasm

— VALIDATION IMAGES —

Sample: Lane 1: Mouse Heart Lysates Lane 2: Mouse Brain Lysates Lane 3: Mouse Stomach Lysates Lane 4: Mouse Testis Lysates Lane 5: Rat Heart Lysates Lane 6: Rat Brain Lysates Lane 7: Rat Stomach Lysates Lane 8: Human U2OS cell Lysates Lane 9: Human U251 cell Lysates
Primary: Anti-LATS2 (bs-4081R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 120kDa Observed band size: 120kDa



Paraformaldehyde-fixed, paraffin embedded (human lung carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LATS2) Polyclonal Antibody, Unconjugated (bs-4081R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LATS2) Polyclonal Antibody, Unconjugated (bs-4081R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=5.5]** Han LL et al. miR-650 Promotes the Metastasis and Epithelial-Mesenchymal Transition of Hepatocellular Carcinoma by Directly Inhibiting LATS2 Expression.(2018) Cell Physiol Biochem.51(3):1179-1192. IHC,WB ;Human. 30481780
- **[IF=5.9]** Liu Can. et al. STUB1 is acetylated by KAT5 and alleviates myocardial ischemia-reperfusion injury through LATS2-YAP-β-catenin axis. COMMUN BIOL. 2024 Apr;7(1):1-14 WB,IHC ;Mouse,Human. 38561411
- **[IF=3.743]** Xie L et al. Huyang yangkun formula protects against 4-Vinylcyclohexene diepoxide-

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induced premature ovarian insufficiency in rats via the Hippo-JAK2/STAT3 signaling pathway. Biomed Pharmacother. 2019 Aug;116:109008. WB ;Rat. 31152926

- **[IF=3.333]** Han et al. miR-103 promotes the metastasis and EMT of hepatocellular carcinoma by directly inhibiting LATS2. (2018) Int.J.Oncol. 53:2433-2444 IHC,WB ;Human. 30272278
- **[IF=3.337]** Zhang B et al. Hypoxia-Induced Placenta-Specific microRNA (miR-512-3p) Promotes Hepatocellular Carcinoma Progression by Targeting Large Tumor Suppressor Kinase 2. Onco Targets Ther . 2020 Jun 25;13:6073-6083. WB ;Human. 32612368