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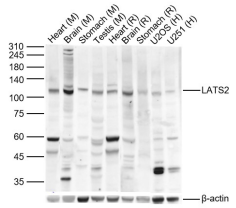
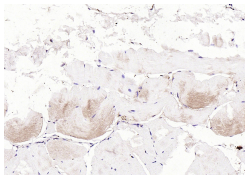
LATS2 Rabbit pAb

Catalog Number:	bs-4081R
Target Protein:	LATS2
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)
Reactivity:	Human, Mouse, Rat (predicted:Rabbit, Cow, Chicken, Dog, Horse)
Predicted MW:	120 kDa
Entrez Gene:	26524
Swiss Prot:	Q9NRM7
Source:	KLH conjugated synthetic peptide derived from human LATS2: 641-740/1088.
Purification:	affinity purified by Protein A
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].

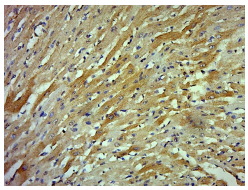
VALIDATION IMAGES



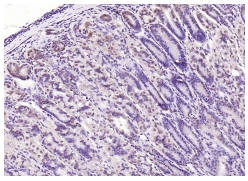
Sample: Lane 1: Mouse Heart Lysates Lane 2: Mouse Brain Lysates Lane 3: Mouse Stomach Lysates Lane 4: Mouse Testis Lysates Lane 5: Rat Heart Lysates Lane 6: Rat Brain Lysates Lane 7: Rat Stomach Lysates Lane 8: Human U2OS cell Lysates Lane 9: Human U251 cell Lysates Primary: Anti-LATS2 (bs-4081R) at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



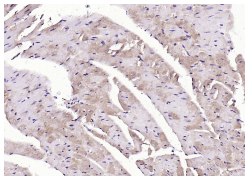
Paraformaldehyde-fixed, paraffin embedded (mouse testis); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LATS2) Polyclonal Antibody,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



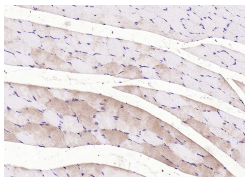
Paraformaldehyde-fixed, paraffin embedded (Rat heart); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (LATS2) Polyclonal Antibody, Unconjugated (bs-4081R) at 1:500 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse stomach); 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) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse heart); 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) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat skeletal muscle); 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) instructionsand DAB staining.

PRODUCT SPECIFIC PUBLICATIONS

[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-induced prematureovarian 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