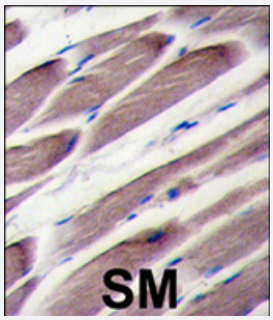
LATS2 polyclonal antibody

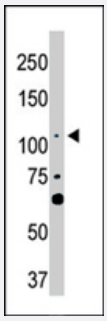
Catalog # PAB4559 Size 400 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with LATS2 polyclonal antibody (Cat # PAB4559) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated .



Western Blot (Cell lysate)

The LATS2 polyclonal antibody (Cat # PAB4559) is used in Western blot to detect LATS2 in NIH/3T3 cell lysate .

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of LATS2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 195-224 at internal region of human LATS2.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

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Recommend Usage	ELISA (1:1000) Western Blot (1:100-500) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with LATS2 polyclonal antibody (Cat # PAB4559) , which was peroxidase-conjugated to the secondary antibody, followed by DAB staining . This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated .

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  The LATS2 polyclonal antibody (Cat # PAB4559) is used in Western blot to detect LATS2 in NIH/3T3 cell lysate .

Gene Info — LATS2

Entrez GeneID	26524
Protein Accession#	NP_055387;Q9P2X1
Gene Name	LATS2
Gene Alias	FLJ13161, KPM
Gene Description	LATS, large tumor suppressor, homolog 2 (Drosophila)
Omim ID	604861
Gene Ontology	Hyperlink

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Gene Summary	This gene encodes a serine/threonine protein kinase belonging to the LATS tumor suppressor fa mily. The protein localizes to centrosomes during interphase, and early and late metaphase. It inte racts with the centrosomal proteins aurora-A and ajuba and is required for accumulation of gamm a-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
Other Designations	LATS (large tumor suppressor, Drosophila) homolog 2|LATS, large tumor suppressor, homolog 2| OTTHUMP00000018106|kinase phosphorylated during mitosis protein|serine/threonine kinase K PM|warts-like kinase

Publication Reference

- SMG6 regulates DNA damage and cell survival in Hippo pathway kinase LATS2-inactivated malignant mesothelioma.

  Koya Suzuki, Masaki Tange, Ryota Yamagishi, Hiroyuki Hanada, Satomi Mukai, Tatsuhiro Sato, Takeshi Tanaka, Tomohiro Akashi, Kenji Kadomatsu, Tohru Maeda, Takashi Miida, Ichiro Takeuchi, Hiroshi Murakami, Yoshitaka Sekido, Yuko Murakami-Tonami.

  Cell Death Discovery 2022 Nov; 8(1):446.

  Application : WB-Ce, Human, HOMC-D4, MeT-5A, Y-MESO cells

- Oncogenic kinase signalling.

  Blume-Jensen P, Hunter T.

  Nature 2001 May; 411(6835):355.

- Phosphoinositide 3-kinase signalling pathways.

  Cantrell DA.

  Journal of Cell Science 2001 Apr; 114(Pt 8):1439.

- The RET proto-oncogene in human cancers.

  Jhiang SM.

  Oncogene 2000 Nov; 19(49):5590.

Disease

- Tobacco Use Disorder

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