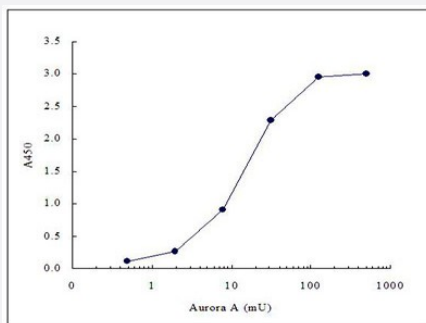


LATS2 (phospho S83) monoclonal antibody, clone ST-3B11

Catalog # MAB0009 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

ELISA for measurement of recombinant Aurora A kinase activity using LATS2 (phospho S83) monoclonal antibody, clone ST-3B11 (Cat # MAB0009).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic phosphopeptide of LATS2.
Immunogen	Synthetic phosphopeptide (conjugated with KLH) corresponding to residues surrounding S83 of human LATS2.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG2b
Quality Control Testing	Phospho-LATS2 Ser83 Antibody detects phosphorylated recombinant LATS2 only when phosphorylated at serine83, by western blotting.
Recommend Usage	Western Blot (1-2 ug/mL) ELISA (1 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In 10 mM HEPES/KOH, 150 mM NaCl, pH 7.5 (50% glycerol)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Recombinant protein)
- Enzyme-linked Immunoabsorbent Assay

ELISA for measurement of recombinant Aurora A kinase activity using LATS2 (phospho S83) monoclonal antibody, clone ST-3B11 (Cat # MAB0009).

Gene Info — LATS2

Entrez GeneID [26524](#)

GeneBank Accession# [NM_014572](#)

Protein Accession# [NP_055387](#)

Gene Name LATS2

Gene Alias FLJ13161, KPM

Gene Description LATS, large tumor suppressor, homolog 2 (Drosophila)

Omim ID [604861](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations LATS (large tumor suppressor, Drosophila) homolog 2|LATS, large tumor suppressor, homolog 2|OTTHUMP00000018106|kinase phosphorylated during mitosis protein|serine/threonine kinase KPM|warts-like kinase

Publication Reference

- [Fisetin activates Hippo pathway and JNK/ERK/AP-1 signaling to inhibit proliferation and induce apoptosis of human osteosarcoma cells via ZAK overexpression.](#)

Fu CY, Chen MC, Tseng YS, Chen MC, Zhou Z, Yang JJ, Lin YM, Viswanadha VP, Wang G, Huang CY.

Environmental Toxicology 2019 Aug; 34(8):902.

Application: WB-Ce, WB-Tr, Human, Human OS cells

- [Hippo Signaling Pathway Dysregulation in Human Huntington's Disease Brain and Neuronal Stem Cells.](#)

Mueller KA, Glajch KE, Huizenga MN, Wilson RA, Granucci EJ, Dios AM, Tousley AR, Iuliano M, Weisman E, LaQuaglia MJ, DiFiglia M, Kegel-Gleason K, Vakili K, Sadri-Vakili G.

Scientific Reports 2018 Jul; 8(1):11355.

Application: WB-Ti, Human, Cortex

- [MicroRNA-103 promotes tumor growth and metastasis in colorectal cancer by directly targeting LATS2.](#)

Zheng YB, Xiao K, Xiao G, Tong S, Ding Y, Wang q, Li S, Hao Z.

Oncology Letters 2016 Sep; 12(3):2194.

Application: WB-Tr, Human, SW620, LoVo cells

- [KIBRA regulates aurora kinase activity and is required for precise chromosome alignment during mitosis.](#)

Zhang L, Iyer J, Chowdhury A, Ji M, Xiao L, Yang S, Chen Y, Tsai MY, Dong J.

The Journal of Biological Chemistry 2012 Oct; 287(41):34069.

Application: WB-Tr, Human, HEK 293T cells

- [CD44 Attenuates Activation of the Hippo Signaling Pathway and Is a Prime Therapeutic Target for Glioblastoma.](#)

Xu Y, Stamenkovic I, Yu Q.

Cancer Research 2010 Mar; 70(6):2455.

Application: WB-Tr, Human, U87 MG cells

- [Merlin is a potent inhibitor of glioma growth.](#)

Lau YK, Murray LB, Houshmandi SS, Xu Y, Gutmann DH, Yu Q.

Cancer Research 2008 Jul; 68(14):5733.

Application: WB, Human, U87MG cells

Disease

- [Tobacco Use Disorder](#)