



## Mouse Lats2 Antibody(C-term)

Catalog_no :	AB1920
Applications :	WB
Reactivity :	M
Category :	抗原抗体
Size :	100μL/50μL
Immunogen :	MOUSE:1000-1027
Specificity :	This Mouse Lats2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1000-1027 amino acids from the C-terminal region of mouse Lats2.
Dilution :	IHC-P,1:100;WB,1:2000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Serine/threonine-protein kinase LATS2, Kinase phosphorylated during mitosis protein, Large tumor suppressor homolog 2, Serine/threonine-protein kinase kpm, Lats2 {ECO:0000312 EMBL:AAH530281}
Isotype :	Rabbit Ig
Background :	Negative regulator of YAP1 in the Hippo signaling pathway that plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein MST1/MST2, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Acts as a tumor suppressor which plays a critical role in centrosome duplication, maintenance of mitotic fidelity and genomic stability. Negatively regulates G1/S transition by down-regulating cyclin E/CDK2 kinase activity. Negative regulator of the androgen receptor (By similarity).
reference :	Zhang, N., et al. Dev. Cell 19(1):27-38(2010) Oh, S., et al. Mol. Cell. Biol. 29(23):6309-6320(2009) Quina, L.A., et al. J. Neurosci. 29(45):14309-14322(2009) Nishioka, N., et al. Dev. Cell 16(3):398-410(2009) Matsui, Y., et al. Circ. Res. 103(11):13