LATS1 (phospho-Thr1079) rabbit pAb

Catalog_no：	AP1383
Applications：	WB
Reactivity：	Human,Mouse
Category：	抗原抗体
Size：	100μg/50μg/20μg
Gene_name：	LATS1 WARTS
Protein_name：	LATS1 (Thr1079)
Humangene_id：	9113
Humanswissprot_no：	O95835
Mousegene_id：	16798
Mouseswissprot_no：	Q8BYR2
Immunogen：	Synthesized phosho peptide around human LATS1 (Thr1079)
Specificity：	This antibody detects endogenous levels of Human Mouse LATS1 (phospho-Thr1079)
Formulation：	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source：	Rabbit
Dilution：	WB 1:1000-2000
Purification：	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration：	1 mg/ml
Storage_stability：	-20°C/1 year
Other_name：	Serine/threonine-protein kinase LATS1 (EC 2.7.11.1) (Large tumor suppressor homolog 1) (WARTS protein kinase) (h-warts)
Molecular Weight：	140KD
Background：	large tumor suppressor kinase 1(LATS1) Homo sapiens The protein encoded by this gene is a putative serine/threonine kinase that localizes to the mitotic apparatus and

complexes with cell cycle controller CDC2 kinase in early mitosis. The protein is phosphorylated in a cell-cycle dependent manner, with late prophase phosphorylation remaining through metaphase. The N-terminal region of the protein binds CDC2 to form a complex showing reduced H1 histone kinase activity, indicating a role as a negative regulator of CDC2/cyclin A. In addition, the C-terminal kinase domain binds to its own N-terminal region, suggesting potential negative regulation through interference with complex formation via intramolecular binding. Biochemical and genetic data suggest a role as a tumor suppressor. This is supported by studies in knockout mice showing development of soft-tissue sarcomas, ovarian stromal cell tumors and a high sensitivity to carcinogenic treatmen