

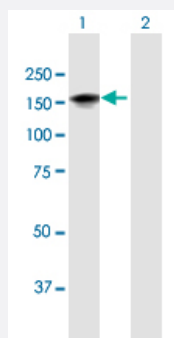
MaxPab®

LATS1 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00009113-B01P

Size 50 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of LATS1 expression in transfected 293T cell line ([H00009113-T02](#)) by LATS1 MaxPab polyclonal antibody.

Lane 1: LATS1 transfected lysate(126.90 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse polyclonal antibody raised against a full-length human LATS1 protein.

Immunogen

LATS1 (NP_004681.1, 1 a.a. ~ 1130 a.a) full-length human protein.

Sequence

MKRSEKPEGYRQMRPKTFPASNYTVSSRQMLQEIRESLRNLSKPSDAAKAEHNMSKMSTEDPR
QVRNPPKFGTHHKALQEIRNSLLPFANETNSSRSTSEVNPQMLQDLQAAGFDEDMVIQALQKTNN
RSIEAAIEFISKMSYQDPRREQMAAAAAARPINASMKPGNVQQSVNRKQSWKGSKESLVPQRHGP
PLGESVAYHSESPNSQTDVGRPLSGSGISAFVQAHPSNGQVRNPPPPPPQVRSVTPPPPPRQGT
PPPRGTTPPPPSWEPNSQTKRYSGNMEYVISRISPVPPGAWQEGYPPPLNTSPMNPPNQQR
GISSVPVGRQPIIMQSSSKFNFPGRPGMQNGTGQTDPMIHNQNVVPAGTVNRQPPPPYPLTAANG
QSPSALQTGGSAAPSSYTNGSIPQSMMVPMNRNSHNMELYNISVPGLQTNWPQSSSAPAQSSPSS
GHEIPTWQPNIQVRSNSFNPLGNRASHSANSQPSATTVTAITPAPIQQPVKSMRVLKPELQTALA
PTHPSWIPQPIQTVQPSPFEGTASNVTVMPPVAEAPNYQGPPPPYPKHLHQNPSVPPYESISK
PSKEDQPSLPKEDESEKSYENVDSGDKEKKQITSPITVRKNKKDEERRESRIQSYSPQAFKFFM
EQHVENVLKSHQQRLHRKKQLENEMMRVGLSQDAQDQMRKMLCQKESNYIRLKRAKMDKSMF
VKIKTLGIGAFGEVCLARKVDTKALYATKTLRKKDVLNRNQAHVKAERDILAEADNEWVVRLYYS
FQDKDNLYFVMDYIPGGDMMSLLIRMGIFPESLARFYAELTCAVESVHKMGFIHRDIKPDNIDRD
GHIKLTDFGLCTGFRWTHDSKYYQSGDHPRQDSMDFSNEWGDPSSCRCGDRLKPLERRAARQ
HQRCLAHSLVGTPNYIAPEVLLRTGYTQLCDWWSVGVLFEMLVGQPPFLAQTPLETQMKVINWQ
TSLHIPPAKLSPASDLIILCRGPEDRLGKNGADEIKAHPFFKTIDFSSDLRQQSASYPKITHPTD
TSNFDVPDPDKLWSDDNEEENVNDTLNGWYKNGKHPEHAFYEFTRRFDDNGYPYNYPKPIEY
EYINSQGSEQQSDEDDQNTGSEIKNRDLVYV

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (93); Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

Gene Info — LATS1

Entrez GeneID	9113
GeneBank Accession#	NM_004690.2
Protein Accession#	NP_004681.1
Gene Name	LATS1
Gene Alias	WARTS, wts
Gene Description	LATS, large tumor suppressor, homolog 1 (Drosophila)
Omim ID	603473
Gene Ontology	Hyperlink

Gene Summary

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 treatments. [provided by RefSeq]

Other Designations

LATS (large tumor suppressor, Drosophila) homolog 1|LATS homolog 1

Disease

- [Adenocarcinoma](#)
- [Esophageal Neoplasms](#)