

DNAxPAb

Hard-to-Find
Antibody

LATS1 DNAxPab

Catalog # H00009113-W01P

Size 200 ug

Specification

Product Description Rabbit polyclonal antibody raised against a full-length human LATS1 DNA using DNAx™ Immune technology.

Technology [DNAx™ Immune](#)

Immunogen Full-length human DNA

Sequence

MKRSEKPEGYRQMRPKTFPASNYTVSSRQMLQEIRESLRNLSKPSDAAKAEHNMSKMSTEDPR
 QVRNPPKFGTHHKALQEIRNSLLPFANETNSSRSTSEVNPQMLQDLQAAGFDEDMVIQALQKTNN
 RSIEAAIEFISKMSYQDPRREQMAAAAAARPINASMKPGNVQQSVNRKQSWKGSKESLVPQRHGP
 PLGESVAYHSESPNSQTDVGRPLSGSGISAFVQAHPSNGQRVNPPPPQVRSVTPPPPRGQT
 PPPRGTTPPPPSWEPNSQTKRYSGNMEYVISRISPVPPGAWQEGYPPPLNTSPMNPPNQGQR
 GISSVPVGRQPIIMQSSSKFNFPSGRPGMQNGTGQTDFMIHQNVVPAGTVNRQPPPPYPLTAANG
 QSPSALQTGGSAAPSSYTNGSIPQSMMVPNRNSHNMELYNISVPLQTNWPQSSSAPAQSSPSS
 GHEIPTWQPNIPVRSNSFNPLGNRASHSANSQPSATTVTAITPAPIQQPVKSMRVLKPELQTALA
 PTHPSWIPQPIQTVQPSPFPEGTASNVTMPPVAEAPNYQGPPPPYPKHLHQNPSVPPYESISK
 PSKEDQPSLPKEDESEKSYENVDSGDKEKKQITTSPITVRKNKKDEERRESRIQSYSPQAFKFFM
 EQHVENVLKSHQQRLHRKKQLENEMMRVGLSQDAQDQMRKMLCQKESNYIRLKRAKMDKSMF
 VKIKTLGIGAFGEVCLARKVDTKALYATKTLRKDVDLLRNQVAHVKAERDILAEADNEWVRLYY
 FQDKDNLVYFMDYIPGGDMMSLLIRMGIFPESLARFYAELTCAVESVHKMGFIHRDIKPDNILIDRD
 GHIKLTDFGLCTGFRWTHDSKYYQSGDHPRQDSMDFSNEWGDPSSCRCGDRLKPLERRAARQ
 HQRCLAHSLVGTPNYIAPEVLLRTGYTQLCDWWSVGVLFEMLVGQPPFLAQTPLETQMKVINWQ
 TSLHIPPAKLSPASDLIILCRGPEDRLGKNGADEIKAHPFFKTIDFSSDLRQQSASYPKITHPTD
 TSNFDPVDPDKLWSDDNEEENVNDTLNGWYKNGKHPEHAFYEFTRRRFFDDNGYPYNPKPIEY
 EYINSQGSEQQSDEDDQNTGSEIKNRDLVYV

Host Rabbit

Reactivity Human

Purification Protein A

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.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)

- Flow Cytometry (Transfected cell)

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](#)