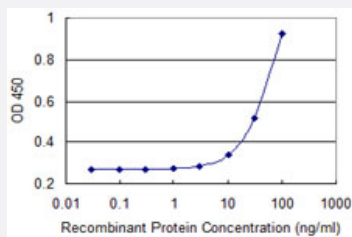


LATS1 monoclonal antibody (M09), clone 3A7

Catalog # H00009113-M09

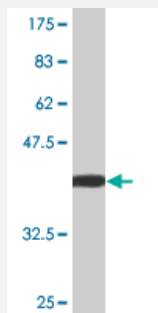
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LATS1 is approximately 10ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant LATS1.

Immunogen

LATS1 (NP_004681, 521 a.a. ~ 620 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

PQPIQTVQPSPFPEGTASNVTVMPPVAEAPNYQGPPPPYPKHLHQNPSPVPPYESISKPSKEDQ
PSLPKEDESEKSYENVDSGDKEKKQITTSPITVRKN

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (93); Rat (93)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged LATS1 is approximately 10ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — LATS1

Entrez GeneID	9113
GeneBank Accession#	NM_004690
Protein Accession#	NP_004681
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](#)