

For Research Use Only

Phospho-LATS1 (Thr1079) Polyclonal antibody

Catalog Number: 28998-1-AP

8 Publications



Basic Information

Catalog Number:

28998-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC015665

GeneID (NCBI):

9113

UNIPROT ID:

O95835

Full Name:

LATS, large tumor suppressor, homolog 1 (Drosophila)

Calculated MW:

15 kDa, 127 kDa

Observed MW:

140-150 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB: Calyculin A treated HeLa cells,

Background Information

The large tumour suppressor 1 (LATS1) acting as a tumour suppressor is a serine/threonine kinase of the AGC kinase family and is found to be down-regulated in various types of human cancers. Recently, LATS1 has been identified as a central player of the emerging tumour suppressive Hippo signaling pathway. In this pathway, the MST1/2 kinase phosphorylates activates LATS1/2 which, together with its co-factor MOB1, subsequently phosphorylates and inhibits the YAP transcriptional factor by preventing them from translocating to the nucleus. The antibody also detects the phosphorylated at Thr1041 of the LATS2. (PMID: 32460168, PMID: 30219064, PMID: 31792377)

Notable Publications

| Author | Pubmed ID | Journal | Application |
|----------------|-----------|------------------------|-------------|
| Ning Nan | 39617260 | Toxicol Appl Pharmacol | WB |
| Zhengyan Chang | 39548564 | J Transl Med | |
| Haisheng Yi | 38478152 | Discov Oncol | WB |

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

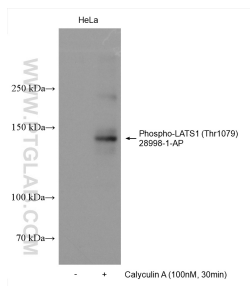
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Selected Validation Data



Non-treated and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 28998-1-AP (Phospho-LATS1 (Thr1079) antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.