

For Research Use Only

LATS1 Recombinant monoclonal antibody

Catalog Number: 80613-2-RR



Basic Information

Catalog Number:

80613-2-RR

Size:

100ul , Concentration: 1000 µg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11140

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 kDa

Purification Method:

Protein A purification

CloneNo.:

252021E3

Recommended Dilutions:

WB: 1:5000-1:50000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse, rat

Positive Controls:

WB : MCF-7 cells, HepG2 cells, HT-29 cells, A549 cells, NIH/3T3 cells, C2C12 cells

Background Information

LATS1(Large tumor suppressor homolog 1) is also named as WARTS and belongs to the AGC Ser/Thr protein kinase family. The gene encodes a highly conserved (from fly to human) protein kinase that plays a crucial role in the prevention of tumor formation by controlling the progression of mitosis. The expression of both long(170 kDa) and short lats1 isoforms(120 kDa) in vertebrate retinal cells raises the possibility that these lats1 proteins may act as negative key regulators of the cell cycle each of them performing a unique role (PMID:15777619). In mammalian cells, LATS1 was phosphorylated in a cell cycle-dependent manner and complexed with CDC2 in early mitosis (PMID:9988268).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

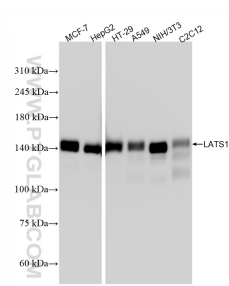
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 80613-2-RR (LATS1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.