

For Research Use Only

# CoraLite® Plus 488-conjugated LATS1 Polyclonal antibody



Catalog Number: CL488-17049

Featured Product

## Basic Information

Catalog Number:

CL488-17049

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10709

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, 120 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima  
wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human

Positive Controls:

IF : HeLa 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). LATS1 also can be detected as 120 kDa and 140-150 kDa, and play a key role in the regulation of Hippo pathway (PMID: 27940445).

## Storage

Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

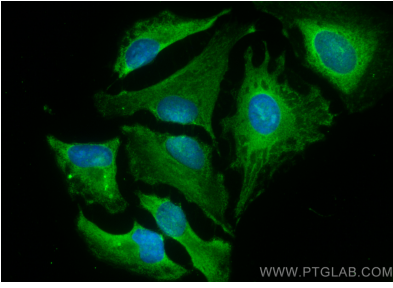
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using CoraLite® Plus 488 LATS1 antibody (CL488-17049) at dilution of 1:200.