

For Research Use Only

LIAT1 Polyclonal antibody

Catalog Number: 31796-1-AP



Basic Information

Catalog Number:

31796-1-AP

Size:

600 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG37082

GenBank Accession Number:

BC141806

GeneID (NCBI):

400566

UNIPROT ID:

Q6ZQX7

Full Name:

chromosome 17 open reading frame

97

Observed MW:

20-70 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IF/ICC, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB : HEK-293T cells, HeLa cells, mouse kidney tissue, mouse liver tissue, mouse lung tissue, mouse spleen tissue

IF/ICC : HEK-293 cells,

Background Information

Liat1 (Ligand of Ate1) is a protein of unknown function that was originally discovered through its interaction with arginyl tRNA protein transferase 1 (Ate1), a component of the Arg/N-degron pathway of protein degradation. Liat1 participates in Liquid-liquid phase separation (LLPS), a process which enables the temporal and spatial regulation of important cellular processes such as RNA metabolism, genome organization, DNA repair, and transcription regulation. Liat1 interacts with itself, which means Liat1 can assemble into different species in nucleus or cytosol. Our WB is consistent with Arva A et al (PMID: 33443146).

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:

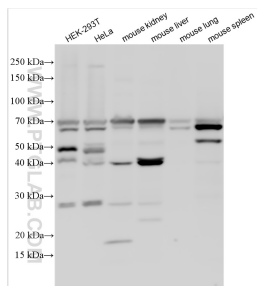
T: 4006900926

E: Proteintech-CN@ptglab.com

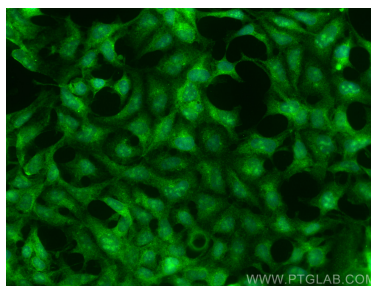
W: ptgcn.com

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Selected Validation Data



HEK-293T cells, HeLa cells, mouse kidney tissue, mouse liver tissue, mouse lung tissue, mouse spleen tissue lysates were subjected to SDS PAGE followed by western blot with 31796-1-AP (LIA1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using LIA1 antibody (31796-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).