

For Research Use Only

LIAT1 Polyclonal antibody

Catalog Number: 31796-1-AP



Basic Information

Catalog Number: 31796-1-AP	GenBank Accession Number: BC141806	Purification Method: Antigen affinity Purification
Size: 150ul , Concentration: 600 ug/ml by Nanodrop;	GeneID (NCBI): 400566	Recommended Dilutions: WB 1:500-1:2000 IF/ICC 1:200-1:800
Source: Rabbit	UNIPROT ID: Q6ZQX7	
Isotype: IgG	Full Name: chromosome 17 open reading frame 97	
Immunogen Catalog Number: AG37082	Observed MW: 20-70 kDa	

Applications

Tested Applications: WB, IF/ICC, ELISA	Positive Controls:
Species Specificity: human, mouse	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

*** 20ul sizes contain 0.1% BSA

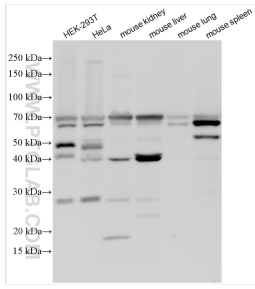
For technical support and original validation data for this product please contact:

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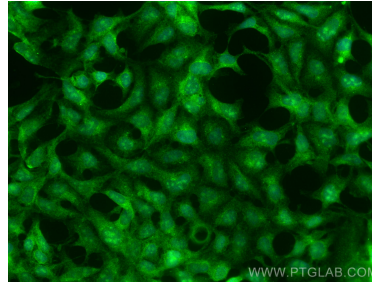
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Selected Validation Data



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).