

For Research Use Only

# LIAT1 Polyclonal antibody, PBS Only

Catalog Number: 31796-1-PBS



## Basic Information

<b>Catalog Number:</b> 31796-1-PBS	<b>GenBank Accession Number:</b> BC141806	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 400566	
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q6ZQX7	
<b>Isotype:</b> IgG	<b>Full Name:</b> chromosome 17 open reading frame 97	
<b>Immunogen Catalog Number:</b> AG37082	<b>Observed MW:</b> 20-70 kDa	

## Applications

**Tested Applications:**  
WB, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse

## 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

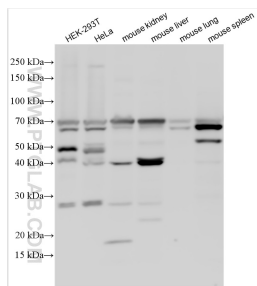
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

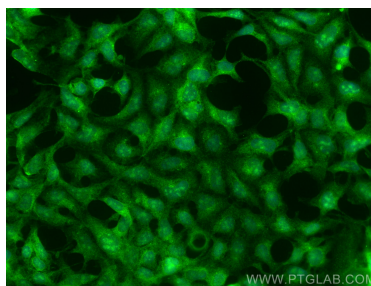
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



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 (LIAT1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 31796-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HEK-293 cells using LIAT1 antibody (31796-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 31796-1-PBS in a different storage buffer formulation.