

For Research Use Only

LAMP1 Polyclonal antibody

Catalog Number: 21997-1-AP **27 Publications**



Basic Information

Catalog Number: 21997-1-AP	GenBank Accession Number: BC021288	Purification Method: Antigen affinity purification
Size: 150UL, Concentration: 480 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 3916	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: lysosomal-associated membrane protein 1	
Isotype: IgG	Calculated MW: 417 aa, 45 kDa	
Immunogen Catalog Number: AG17367	Observed MW: 120 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : U-937 cells, IHC : human gliomas tissue, human pancreas tissue, human liver tissue IF : HepG2 cells,
Cited Applications: FC, IF, IHC, WB	
Species Specificity: human	
Cited Species: human, turtle	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

LAMP1 (also known as CD107a) is a 90-120 kDa heavily glycosylated membrane protein enriched in the lysosomal membrane. LAMP1 functions to provide selectins with carbohydrate ligands. This protein has also been shown to be a marker of degranulation on lymphocytes such as CD8+ and NK cells and may also play a role in tumor cell differentiation and metastasis.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiafang Wu	31781319	Oxid Med Cell Longev	WB
Hui Jiang	31788126	Oncol Lett	WB
Meihong Deng	30314759	Immunity	

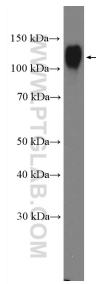
Storage

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

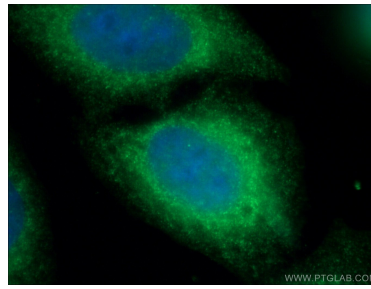
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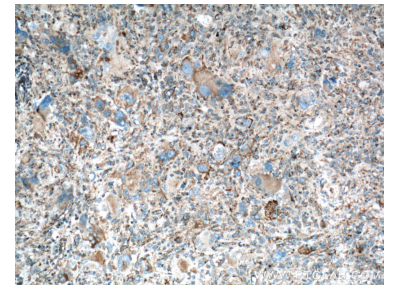
Selected Validation Data



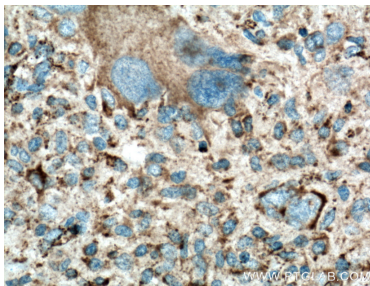
U-937 cells were subjected to SDS PAGE followed by western blot with 21997-1-AP (LAMP1 antibody at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 21997-1-AP (LAMP1 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 21997-1-AP (LAMP1 antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human gliomas tissue slide using 21997-1-AP (LAMP1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).