

LAMP3

Polyclonal ANTIBODY

Catalog Number: 12632-1-AP

6 Publications

Basic Information

Catalog Number:
12632-1-AP

Size:
37 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:
AG3325

GenBank Accession Number:
BC032940

GeneID (NCBI):
27074

Full Name:
lysosomal-associated membrane protein 3

Calculated MW:
416aa, 44 kDa

Observed MW:
70 kDa

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 µg for IP and 1:500-1:1000 for WB

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

IF, WB

Species Specificity:

human, mouse, rat

Cited Species:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : mouse lung tissue; A375 cells, A549 cells, mouse thymus tissue, rat lung tissue

IP : A549 cells;

IHC : human lung tissue; human placenta tissue, human testis tissue

Background Information

LAMP3 (lysosome-associated membrane protein 3), also known as DC-LAMP (DC-lysosome-associated membrane glycoprotein), TSC403 or CD208, is a highly glycosylated lysosomal membrane protein that belongs to the LAMP family. The mature glycoprotein has an apparent molecular mass of 70-90 kDa, which is considerably larger than its predicted mass of 44 kDa (PMID: 9768752). LAMP3 is expressed in lung type II pneumocytes, lymphoid organs and dendritic cells. It might change the lysosome function after the transfer of peptide-MHC class II molecules to the surface of dendritic cells. LAMP3 mRNA is up-regulated in some human cancers (PMID:9721848). LAMP3 overexpression is associated with an enhanced metastatic potential and may be a prognostic factor for cervical cancer (PMID: 16204031).

Notable Publications

Author	Pubmed ID	Journal	Application
Behzad Yeganeh	25361566	Am J Physiol Lung Cell Mbl Physiol	IF
B Yeganeh	29108912	Biochim Biophys Acta	WB
Yujia Wang	31281383	Stem Cells Int	IF

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

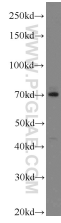
product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

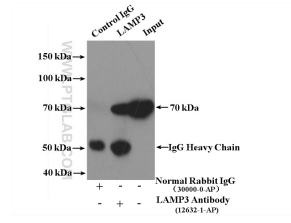
E: proteintech@ptglab.com
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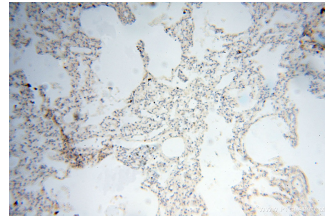
Selected Validation Data



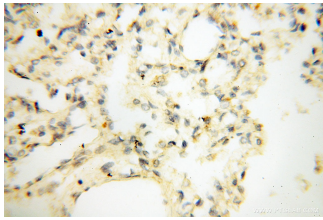
mouse lung tissue were subjected to SDS PAGE followed by western blot with 12632-1-AP(LAMP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



IP Result of anti-LAMP3 (IP:12632-1-AP, 4ug; Detection:12632-1-AP 1:500) with A549 cells lysate 2800ug.



Immunohistochemical analysis of paraffin-embedded human lung using 12632-1-AP(LAMP3 antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemical analysis of paraffin-embedded human lung using 12632-1-AP(LAMP3 antibody) at dilution of 1:50 (under 40x lens)