

For Research Use Only

SERPINB9 Monoclonal antibody

Catalog Number: 67950-1-Ig



Basic Information

Catalog Number:

67950-1-Ig

Size:

1000 µg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG6719

GenBank Accession Number:

BC002538

GeneID (NCBI):

5272

UNIPROT ID:

P50453

Full Name:

serpin peptidase inhibitor, clade B (ovalbumin), member 9

Calculated MW:

42 kDa

Observed MW:

38 kDa

Purification Method:

Protein G purification

CloneNo.:

2H9D2

Recommended Dilutions:

WB 1:5000-1:50000

IHC 1:500-1:2000

IF 1:400-1:1600

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Species Specificity:

Human, Mouse, Rat

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: K-562 cells, human placenta tissue, Daudi cells, Raji cells, Ramos cells

IHC: mouse lung tissue,

IF: C6 cells,

Background Information

SERPINB9, also named as PI-9, belongs to the serpin family. SERPINB9 is an intracellular inhibitor of granzyme B (grB) that protects cytotoxic lymphocytes from grB-mediated death. It has a nucleo-cytoplasmic distribution and is produced in CD8+ T cells and natural killer cells (PMID: 28024184). Also, SERPINB9 is expressed by vascular SMCs and endothelial cells to avoid GZB-induced apoptosis (PMID: 28743062). The molecular weight of SERPINB9 is 42 kDa.

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:

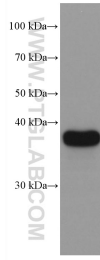
T: 4006900926

E: Proteintech-CN@ptglab.com

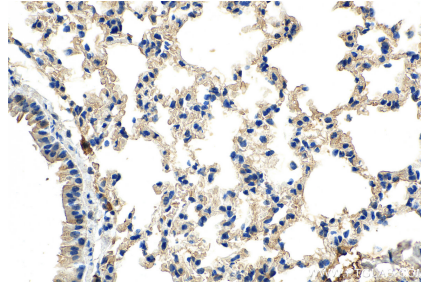
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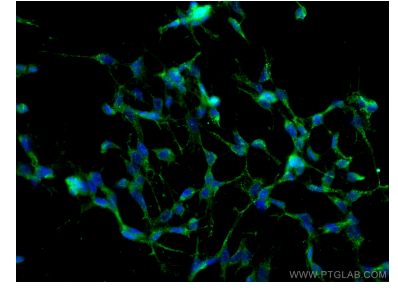
Selected Validation Data



K-562 cells were subjected to SDS PAGE followed by western blot with 67950-1-Ig (SERPINB9 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 67950-1-Ig (SERPINB9 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed C6 cells using SERPINB9 antibody (67950-1-Ig, Clone: 2H9D2) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).