

For Research Use Only

SERPINB9 Monoclonal antibody

Catalog Number: 67950-1-Ig



Basic Information

Catalog Number: 67950-1-Ig	GenBank Accession Number: BC002538	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 5272	CloneNo.: 2H9D2
Source: Mouse	Full Name: serpin peptidase inhibitor, clade B (ovalbumin), member 9	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:500-1:2000 IF 1:400-1:1600
Isotype: IgG1	Calculated MW: 42 kDa	
Immunogen Catalog Number: AG6719	Observed MW: 38 kDa	

Applications

Tested Applications:

IF, 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

*** 20ul sizes contain 0.1% BSA

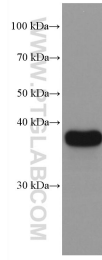
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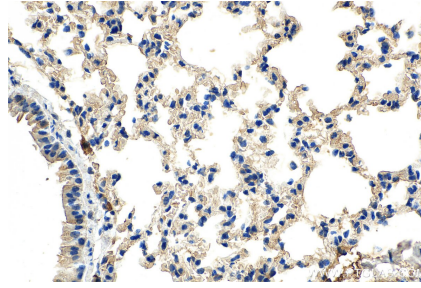
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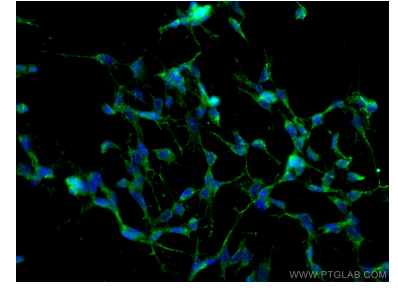
Selected Validation Data



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).