

For Research Use Only

SERPINB9 Monoclonal antibody, PBS Only



Catalog Number: 67950-1-PBS

Basic Information

Catalog Number: 67950-1-PBS	GenBank Accession Number: BC002538	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 5272	CloneNo.: 2H9D2
Source: Mouse	UNIPROT ID: P50453	
Isotype: IgG1	Full Name: serpin peptidase inhibitor, clade B (ovalbumin), member 9	
Immunogen Catalog Number: AG6719	Calculated MW: 42 kDa	
	Observed MW: 38 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC, IF

Species Specificity:
Human, Mouse, Rat

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 nucleocytoplasmic 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 -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

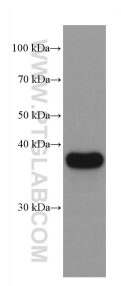
T: 4006900926

E: Proteintech-CN@ptglab.com

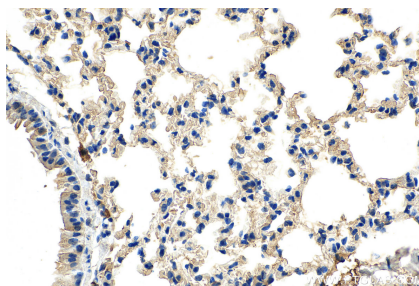
W: ptgcn.com

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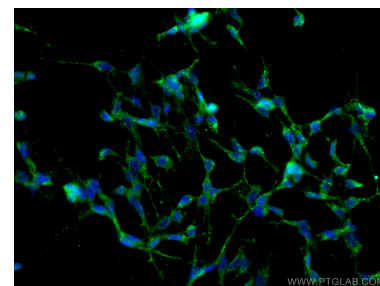
Selected Validation Data



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. This data was developed using the same antibody clone with 67950-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67950-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 67950-1-PBS in a different storage buffer formulation.