

For Research Use Only

# SERPINB9 Monoclonal antibody, PBS Only



Catalog Number: 67950-1-PBS

## Basic Information

<b>Catalog Number:</b> 67950-1-PBS	<b>GenBank Accession Number:</b> BC002538	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 5272	<b>CloneNo.:</b> 2H9D2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P50453	
<b>Isotype:</b> IgG1	<b>Full Name:</b> serpin peptidase inhibitor, clade B (ovalbumin), member 9	
<b>Immunogen Catalog Number:</b> AG6719	<b>Calculated MW:</b> 42 kDa	
	<b>Observed MW:</b> 38 kDa	

## Applications

**Tested Applications:**  
WB, IF, IHC, Indirect ELISA

**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 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

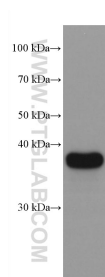
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS Only

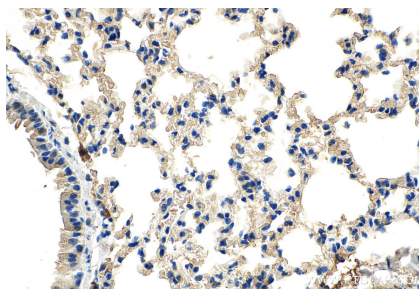
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

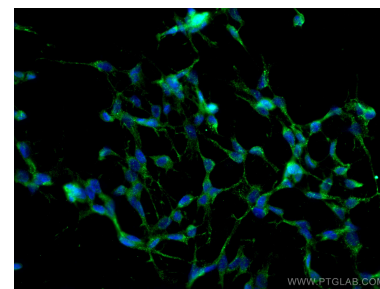
## Selected Validation Data



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.