

For Research Use Only

# Surfactant protein D Recombinant antibody

Catalog Number: 85985-1-RR



## Basic Information

Catalog Number:	85985-1-RR	GenBank Accession Number:	NM_009160.2	Purification Method:	Protein A purification
Size:	100ul, Concentration: 1000 µg/ml by Nanodrop;	GenID (NCBI):	20390	CloneNo.:	250571G8
Source:	Rabbit	UNIPROT ID:	P50404	Recommended Dilutions:	WB: 1:5000-1:50000 IP: 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC: 1:400-1:1600
Isotype:	IgG	Full Name:	surfactant associated protein D		
Immunogen Catalog Number:	EG2924	Calculated MW:	38 kDa		
		Observed MW:	40 kDa		

## Applications

Tested Applications:	WB, IHC, IP, ELISA	Positive Controls:	
Species Specificity:	mouse, rat	WB:	mouse lung tissue, rat lung tissue
	<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	IP:	mouse lung tissue,
		IHC:	mouse lung tissue, rat lung tissue

## Background Information

Surfactant protein D (SP-D) is a pattern recognition molecule of the collectin family of C-type lectins, which consist of four structural domains: a cysteine-rich N-terminal domain, a collagen-like region, an alpha-helical coiled-coil neck domain and a C-terminal lectin or carbohydrate-recognition domain (PMID: 16213021; 15030473). SP-D is primarily expressed and secreted by type II alveolar cells (PMID: 16684127). It plays a central role in the pulmonary host defence and the modulation of allergic responses.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
**Aliquoting is unnecessary for -20°C storage**

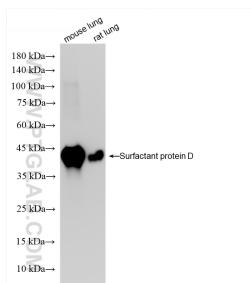
\*\*\* 20ul sizes contain 0.1% BSA

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)

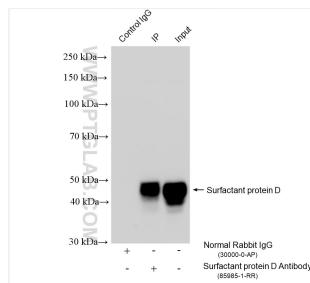
E: proteintech@ptglab.com  
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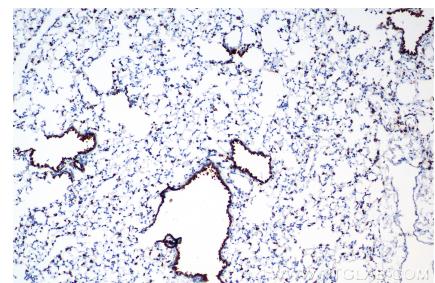
## Selected Validation Data



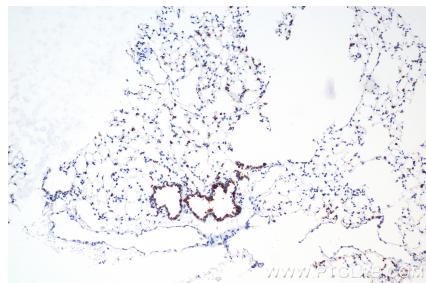
Various lysates were subjected to SDS PAGE followed by western blot with 85985-1-RR (SftpD antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-Surfactant protein D (IP:85985-1-RR, 4ug; Detection:85985-1-RR 1:3000) with mouse lung tissue lysate 1760 ug.



Immunohistochemical analysis of paraffin-embedded rat lung tissue slide using 85985-1-RR (Surfactant protein D antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 85985-1-RR (Surfactant protein D antibody) at dilution of 1:800 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).