

For Research Use Only

# Surfactant protein D Polyclonal antibody



Catalog Number: 11839-1-AP

4 Publications

## Basic Information

<b>Catalog Number:</b> 11839-1-AP	<b>GenBank Accession Number:</b> BC022318	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6441	<b>Recommended Dilutions:</b> WB 1:500-1:3000
<b>Source:</b> Rabbit	<b>Full Name:</b> surfactant protein D	IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 375 aa, 38 kDa	IHC 1:50-1:500
<b>Immunogen Catalog Number:</b> AG2461	<b>Observed MW:</b> 37-40 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF, WB	<b>WB :</b> mouse lung tissue,
<b>Species Specificity:</b> human, mouse, rat	<b>IP :</b> mouse lung tissue,
<b>Cited Species:</b> human, mouse	<b>IHC :</b> mouse lung tissue,

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## 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.

## Notable Publications

Author	Pubmed ID	Journal	Application
Guangying Yang	35682694	Int J Mol Sci	WB
Hsueh-Chun Wang	33683656	Hum Cell	WB, IF
Wei Dai	37024866	BMC Cancer	WB

## Storage

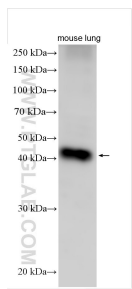
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

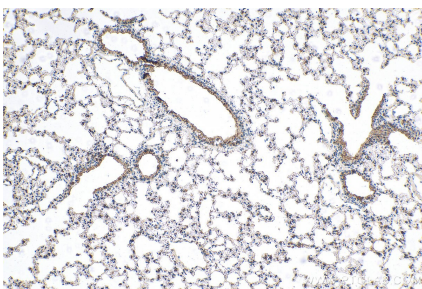
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

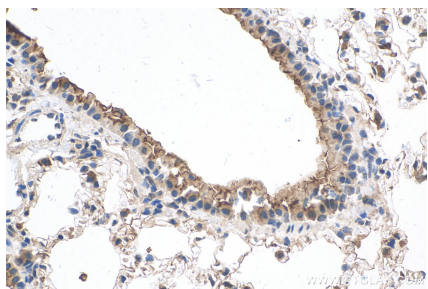
Selected Validation Data



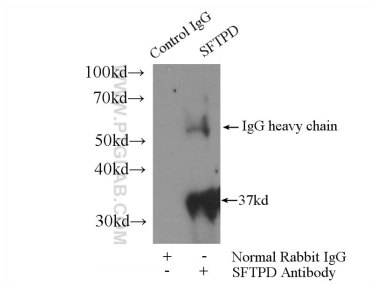
Mouse lung tissue was subjected to SDS PAGE followed by western blot with 11839-1-AP (Surfactant protein D antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 11839-1-AP (Surfactant protein D antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse lung tissue slide using 11839-1-AP (Surfactant protein D antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-Surfactant protein D (IP:11839-1-AP, 3ug; Detection:11839-1-AP 1:300) with mouse lung tissue lysate 2800ug.