

For Research Use Only

# SFTPB Polyclonal antibody

Catalog Number: 13664-1-AP **3 Publications**



## Basic Information

<b>Catalog Number:</b> 13664-1-AP	<b>GenBank Accession Number:</b> BC032785	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 600 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 6439	<b>Recommended Dilutions:</b> WB 1:1000-1:6000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>Full Name:</b> surfactant protein B	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 381 aa, 42 kDa	
<b>Immunogen Catalog Number:</b> AG4576	<b>Observed MW:</b> 43 kDa	

## Applications

<b>Tested Applications:</b> IHC, IP, WB, ELISA	<b>Positive Controls:</b> WB : A549 cells, Y79 cells IP : Y79 cells, IHC : human heart tissue,
<b>Cited Applications:</b> IF, IHC, WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human, mouse	

**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

Pulmonary surfactant-associated protein B(SFTPb) also named SFTP3, is a hydrophobic peptide that facilitates the formation and maintenance of a phospholipid-rich film at the alveolar air-liquid interface. SP-B is necessary for postnatal lung function. SFTPb as a risk biomarker for lung cancer. (PMID:36460583).

## Notable Publications

Author	Pubmed ID	Journal	Application
Guangying Yang	35682694	Int J Mol Sci	WB
Xiaojing Yang	35689653	Environ Toxicol	WB
Hao Luo	37946295	Exp Hematol Oncol	WB,IHC,IF

## Storage

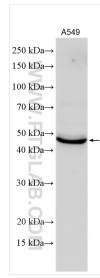
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

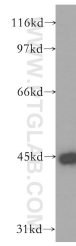
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

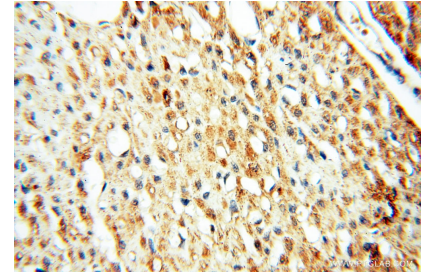
## Selected Validation Data



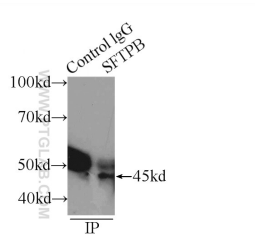
A549 cells were subjected to SDS PAGE followed by western blot with 13664-1-AP (SFTPb antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Y79 cells were subjected to SDS PAGE followed by western blot with 13664-1-AP (SFTPb antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart using 13664-1-AP (SFTPb antibody) at dilution of 1:50 (under 40x lens).



IP Result of anti-SFTPb (IP:13664-1-AP, 3ug;  
Detection:13664-1-AP 1:300) with Y79 cells lysate  
3000ug.