

For Research Use Only

SFTPb Polyclonal antibody

Catalog Number: 13664-1-AP

Featured Product

5 Publications



Basic Information

Catalog Number:

13664-1-AP

Size:

150ul, Concentration: 600 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4576

GenBank Accession Number:

BC032785

GeneID (NCBI):

6439

UNIPROT ID:

P07988

Full Name:

surfactant protein B

Calculated MW:

381 aa, 42 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human

Cited Species:

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

Positive Controls:

WB : human lung tissue, A549 cells

IHC : human lung cancer tissue, human lung tissue

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
Andong Zhang	39419350	Lab Invest	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

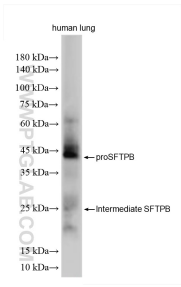
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

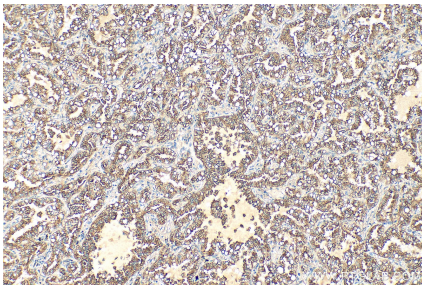
E: proteintech@ptglab.com
W: ptglab.com

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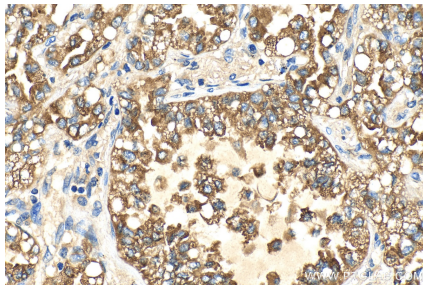
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13664-1-AP (SFTPb antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13664-1-AP (SFTPb antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 13664-1-AP (SFTPb antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).