

For Research Use Only

# Surfactant Protein A Polyclonal antibody



Catalog Number: 11850-1-AP

6 Publications

## Basic Information

<b>Catalog Number:</b> 11850-1-AP	<b>GenBank Accession Number:</b> BC026229	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 900 µg/ml	<b>GeneID (NCBI):</b> 653509	<b>Recommended Dilutions:</b> IHC 1:200-1:1000
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8IWL2	
<b>Isotype:</b> IgG	<b>Full Name:</b> surfactant protein A1	
<b>Immunogen Catalog Number:</b> AG2417	<b>Calculated MW:</b> 248 aa, 26 kDa	

## Applications

**Tested Applications:**  
FC, IHC, ELISA

**Cited Applications:**  
WB, IHC

**Species Specificity:**  
human

**Cited Species:**  
human, mouse, pig

**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:**

**IHC :** human lung tissue, human heart tissue, human kidney tissue, human placenta tissue, human skin tissue, human brain tissue, human spleen tissue, human ovary tissue, human lung cancer tissue

## Background Information

Surfactant protein A (SP-A), is the major protein component of pulmonary surfactant involved in surfactant-related function or structure and in the regulation of inflammatory processes and innate host defenses. In humans and primates, SP-A1 (SFTPA1) and SP-A2 (SFTPA2) genes encode SP-A, and these two SP-A genes have high homology (PMID: 34484180, PMID: 19392648). This antibody can recognize both SP-A1 (SFTPA1) and SP-A2 (SFTPA2).

## Notable Publications

Author	Pubmed ID	Journal	Application
Guangying Yang	35682694	Int J Mol Sci	WB
Lu Yuan	34181042	Cancer Immunol Immunother	IHC
Xiaojing Yang	35689653	Environ Toxicol	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

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

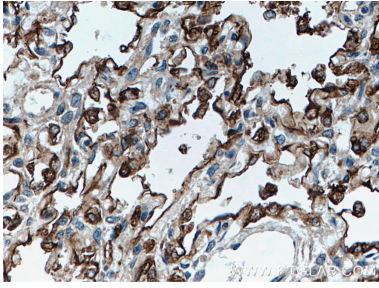
T: 4006900926

E: Proteintech-CN@ptglab.com

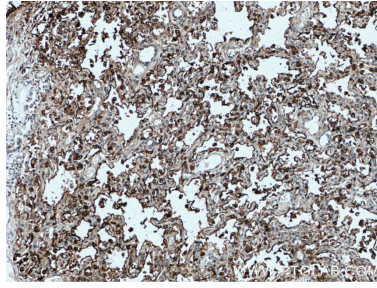
W: ptgcn.com

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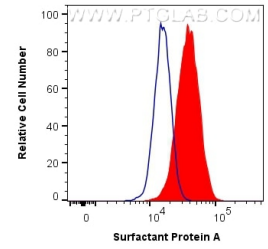
## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 11850-1-AP (Surfactant Protein A antibody) at dilution of 1:800 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung tissue slide using 11850-1-AP (Surfactant Protein A antibody) at dilution of 1:800 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> A549 cells were intracellularly stained with 0.4 ug Anti-Human Surfactant Protein A (11850-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).