

For Research Use Only

# Surfactant Protein A Polyclonal antibody



Catalog Number: 11850-1-AP

6 Publications

## Basic Information

Catalog Number:

11850-1-AP

Size:

900 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2417

GenBank Accession Number:

BC026229

GeneID (NCBI):

653509

UNIPROT ID:

Q8IWL2

Full Name:

surfactant protein A1

Calculated MW:

248 aa, 26 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IHC 1:200-1:1000

## Applications

Tested Applications:

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:

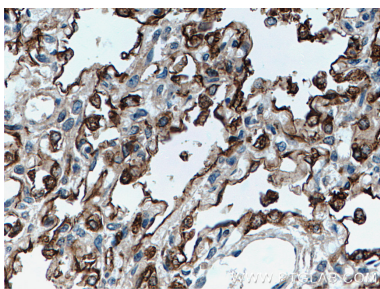
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

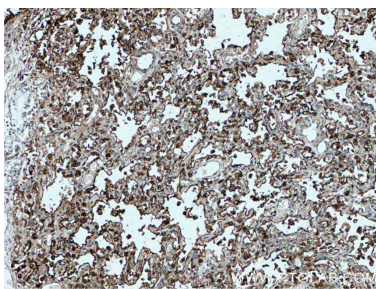
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## Selected Validation Data



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).