

For Research Use Only

# Surfactant protein D Polyclonal antibody, PBS Only

Catalog Number: 11839-1-PBS



## Basic Information

Catalog Number:

11839-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2461

GenBank Accession Number:

BC022318

GeneID (NCBI):

6441

UNIPROT ID:

P35247

Full Name:

surfactant protein D

Calculated MW:

375 aa, 38 kDa

Observed MW:

37-40 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, IP, Indirect ELISA

Species Specificity:

human, mouse, rat

## 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.

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

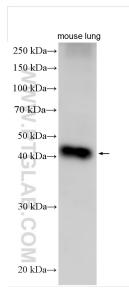
T: 4006900926

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

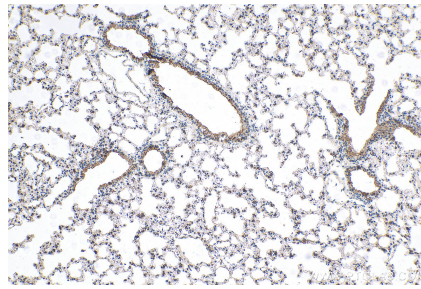
W: [ptgcn.com](http://ptgcn.com)

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

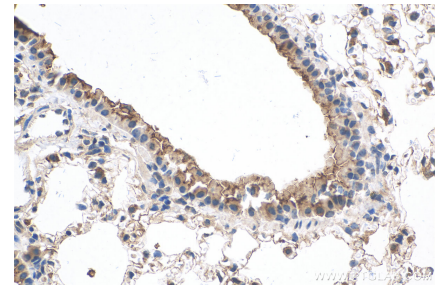
## Selected Validation Data



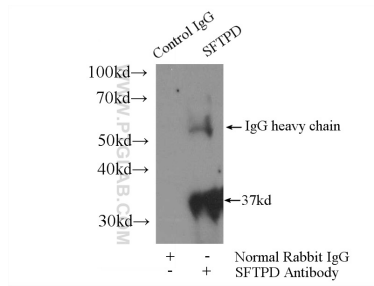
Mouse lung tissue was subjected to SDS PAGE followed by western blot with 11839-1-AP (Surfactant protein D antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11839-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 11839-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 11839-1-PBS in a different storage buffer formulation.



IP result of anti-Surfactant protein D (IP:11839-1-AP, 3ug; Detection:11839-1-AP 1:300) with mouse lung tissue lysate 2800ug. This data was developed using the same antibody clone with 11839-1-PBS in a different storage buffer formulation.