

For Research Use Only

# Surfactant protein D Polyclonal antibody, PBS Only

Catalog Number: 11839-1-PBS



## Basic Information

**Catalog Number:**

11839-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS Only

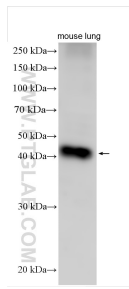
For technical support and original validation data for this product please contact:

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

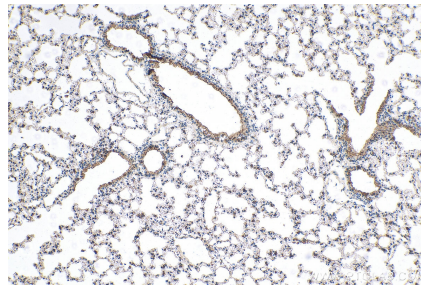
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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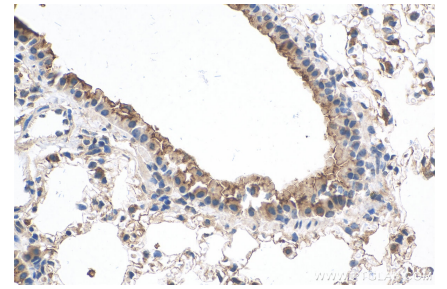
## Selected Validation Data



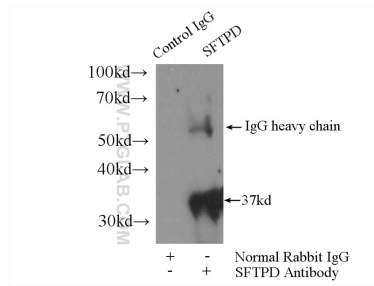
Mouse lung tissue was subjected to SDS PAGE followed by western blot with 11839-1-AP (Surfactant protein D antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 11839-1-PBS in a different storage buffer formulation.



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.