

Surfactant protein D Polyclonal antibody

Catalog Number: 11839-1-AP

6 Publications

Basic Information

Catalog Number:

11839-1-AP

Size:

600 µg/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

Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate

IHC 1:50-1:500

Applications

Tested Applications:

WB, IP, IHC, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

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 : mouse lung tissue,

IP : mouse lung tissue,

IHC : mouse lung tissue,

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Guangying Yang	35682694	Int J Mol Sci	WB
Hsueh-Chun Wang	33683656	Hum Cell	WB, IF
Yubai Li	38840687	Transl Pediatr	IHC

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

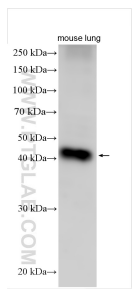
For technical support and original validation data for this product please contact:

T: 4006900926

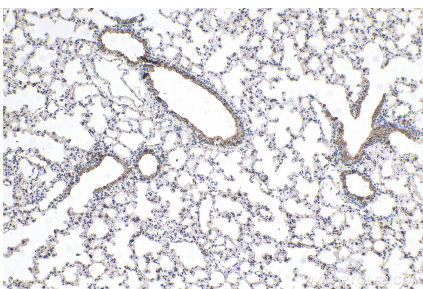
E: Proteintech-CN@ptglab.comW: ptgcn.com

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

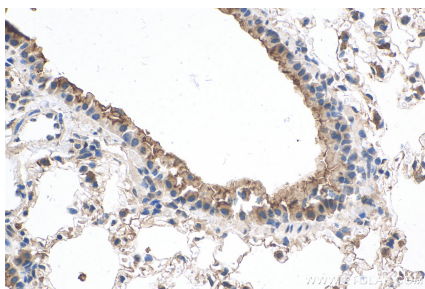
Selected Validation Data



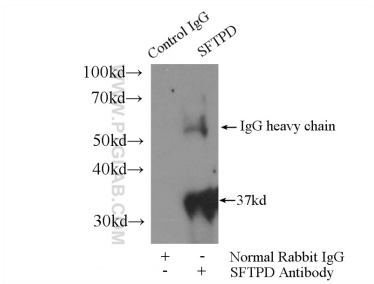
Mouse lung tissue was subjected to SDS PAGE followed by western blot with 11839-1-AP (Surfactant protein D antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).



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).



IP result of anti-Surfactant protein D (IP:11839-1-AP, 3ug; Detection:11839-1-AP 1:300) with mouse lung tissue lysate 2800ug.