

## Rabbit SFTPC Polyclonal Antibody | anti-SFTPC antibody

SFTPC Antibody (N-term)

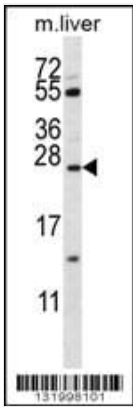
| CATALOG # | HOST   | REACTIVITY                                       | APPLICATIONS                            |
|-----------|--------|--------------------------------------------------|-----------------------------------------|
| AAA286235 | Rabbit | Human, mouse, rat (Predicted Reactivity: Bovine) | Immunofluorescence, ELISA, Western Blot |

### PRODUCT SYNONYMS

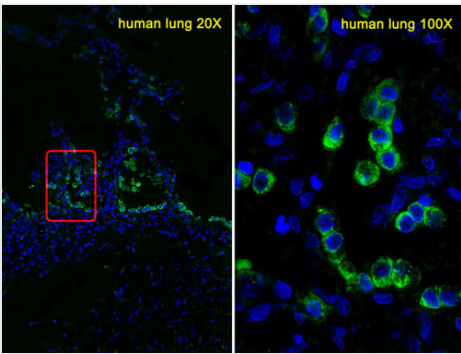
SFTPC; Polyclonal Antibody; SFTPC Antibody (N-term); Pulmonary surfactant-associated protein C; SP-C; Pulmonary surfactant-associated proteolipid SPL(VaI); SP5; SFTP2; anti-SFTPC antibody

### PRODUCT SPECIFICATIONS

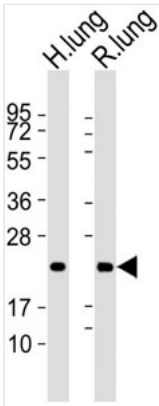
|                                                 |                                                                                                                                                                              |
|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                       |
| Reactivity                                      | Human, mouse, rat (Predicted Reactivity: Bovine)                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                   |
| Isotype                                         | Rabbit Ig                                                                                                                                                                    |
| Specificity                                     | This SFTPC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SFTPC.          |
| Purity/Purification                             | Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)                                                                                                                   |
| Form/Format                                     | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Concentration                                   | Vial Concentration: 0.37 (varies by lot)                                                                                                                                     |
| Sequence Positions                              | 1-30                                                                                                                                                                         |
| Sequence Length                                 | 191                                                                                                                                                                          |
| Applicable Applications for anti-SFTPC antibody | IF (Immunofluorescence), ELISA, WB (Western Blot)                                                                                                                            |
| Antigen Type                                    | Synthetic Peptide                                                                                                                                                            |
| Crown Antibody                                  | Yes                                                                                                                                                                          |
| Other Acession                                  | P15783                                                                                                                                                                       |
| Antigen Source                                  | HUMAN                                                                                                                                                                        |
| Function                                        | Pulmonary surfactant associated proteins promote alveolar stability by lowering the surface tension at the air- liquid interface in the peripheral air spaces.               |
| Cellular Location                               | Secreted, extracellular space, surface film.                                                                                                                                 |
| Preparation and Storage                         | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.                       |



**WB (Western Blot)**  
SFTPC Antibody (N-term) western blot analysis in mouse liver tissue lysates (35ug/lane). This demonstrates the SFTPC antibody detected the SFTPC protein (arrow).



**IF (Immunofluorescence)**  
Immunofluorescent analysis of Human lung tissues, using SFTPC Antibody (N-term). AAA286235 was diluted at 1:25 dilution. Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). DAPI was used to stain the cell nuclear (blue).



**WB (Western Blot)**  
All lanes : Anti-SFTPC Antibody (N-term) at 1:2000 dilution  
Lane 1: human lung lysates  
Lane 2: rat lung lysates  
Lysates/proteins at 20 ug per lane.  
Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution  
Predicted band size : 21 kDa  
Blocking/Dilution buffer: 5% NFD/TBST.

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-SFTPC antibody | Crown Antibodies; Cancer; Cardiovascular; Metabolism; Signal Transduction                                                                                                                                                                                                                         |
| References                                        | Wambach, J.A., et al. Pediatr. Res. 68(3):216-220(2010)<br>Schuurhof, A., et al. Pediatr. Pulmonol. 45(6):608-613(2010)<br>Thouvenin, G., et al. Arch. Dis. Child. 95(6):449-454(2010)<br>Crossno, P.F., et al. Chest 137(4):969-973(2010)<br>Davila, S., et al. Genes Immun. 11(3):232-238(2010) |

NCBI AND UNIPROT INFORMATION

|                           |                                                        |
|---------------------------|--------------------------------------------------------|
| NCBI GI #                 | 288915543                                              |
| NCBI GeneID               | 6440                                                   |
| NCBI Accession #          | NP_001165828.1; NP_001165881.1; NP_003009.2            |
| NCBI GenBank Nucleotide # | NM_001172357.1                                         |
| UniProt Accession #       | P11686; P11687; Q12793; Q7Z5D0; A6XNE4; B2RE00; E9PGX3 |
| Molecular Weight          | 21053                                                  |

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI Official Full Name          | pulmonary surfactant-associated protein C isoform 2 proprotein |
| NCBI Official Synonym Full Names | surfactant protein C                                           |
| NCBI Official Symbol             | SFTPC                                                          |
| NCBI Official Synonym Symbols    | SP-C; PSP-C; SFTP2; SMDP2; BRICD6                              |
| NCBI Protein Information         | pulmonary surfactant-associated protein C                      |
| UniProt Protein Name             | Pulmonary surfactant-associated protein C                      |
| UniProt Gene Name                | <b>SFTPC</b>                                                   |
| UniProt Synonym Gene Names       | SFTP2; SP-C                                                    |
| UniProt Entry Name               | PSPC_HUMAN                                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sftpc-antibody-immunofluorescence-western-blot-elisa/286235>