

## Rabbit SFTPC / Surfactant Protein C Polyclonal Antibody | anti-SFTPC antibody

Anti-SFTPC / Surfactant Protein C Antibody (aa1-30) IHC-plus

|                              |                       |                                                             |                                                                               |
|------------------------------|-----------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------|
| CATALOG #<br><b>AAA52615</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Confirmed: Human, Mouse Predicted: Cow</b> | APPLICATIONS<br><b>Western Blot, Immunofluorescence, Immunohistochemistry</b> |
|------------------------------|-----------------------|-------------------------------------------------------------|-------------------------------------------------------------------------------|

### PRODUCT SYNONYMS

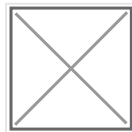
SFTPC / Surfactant Protein C; Polyclonal Antibody; Anti-SFTPC / Surfactant Protein C Antibody (aa1-30) IHC-plus; Rabbit Polyclonal to Human SFTPC / Surfactant Protein C; Human SFTPC / Surfactant Protein C; BRICD6; PSP-C; Pulmonary surfactant protein C; SMDP2; SFTP2; SP-C; Surfactant protein C; anti-SFTPC antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                                                       |
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| Host                                            | Rabbit                                                                                                                                                                                                                                                                                                                |
| Reactivity                                      | Confirmed: Human, Mouse<br>Predicted: Cow                                                                                                                                                                                                                                                                             |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                                                            |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                                                   |
| 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                             | Protein A purified                                                                                                                                                                                                                                                                                                    |
| Form/Format                                     | PBS, 0.09% sodium azide                                                                                                                                                                                                                                                                                               |
| Concentration                                   | 0.45 mg/ml (varies by lot)                                                                                                                                                                                                                                                                                            |
| Sequence Length                                 | 197                                                                                                                                                                                                                                                                                                                   |
| Applicable Applications for anti-SFTPC antibody | WB (Western Blot), IF (Immunofluorescence), IHC (Immunohistochemistry)                                                                                                                                                                                                                                                |
| Immunogen Species                               | Human                                                                                                                                                                                                                                                                                                                 |
| Immunogen                                       | Information Not Available                                                                                                                                                                                                                                                                                             |
| Disclaimer                                      | Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application. |

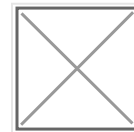
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|---------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Recommended Immunohistochemistry Protocol</b></p> | <p>The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results:</p> <p><b>Tissue Preparation:</b><br/>Formalin fixation and embedding in paraffin wax.</p> <p><b>Tissue Sectioning:</b><br/>Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C.</p> <p><b>Deparaffinization:</b><br/>Wash dry slides in 3 changes of xylene - 5 minutes each @ RT</p> <p><b>Rehydration:</b><br/>Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT<br/>Wash slides in 1 change of 80% alcohol - 3 minutes @ RT<br/>Rinse slides in gentle running distilled water - 5 minutes @ RT</p> <p><b>Antigen retrieval:</b><br/>Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes<br/>Remove from heat and let stand at room temperature in buffer - 20 minutes<br/>Rinse in 1X TBS with Tween (TBST) -1 minute @ RT</p> <p><b>Immunostaining:</b><br/>(Do not allow tissues to dry at any time during the staining procedure)<br/>Apply a universal protein block - 20 minutes @ RT<br/>Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT<br/>Rinse slides in 1 X TBST - 1 minute @ RT<br/>Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase streptavidin - 30 minutes @ RT<br/>Rinse slides in 1X TBST -1 minute @ RT<br/>Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT<br/>Wash slides in distilled water - 1 minute @ RT</p> <p><b>Dehydrate:</b><br/>(This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB)<br/>Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT<br/>Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT<br/>Wash slides in 3 changes of xylene - 1 minute each @ RT<br/>Apply coverslip</p> |
| <p><b>Preparation and Storage</b></p>                   | <p>Short Term: Store at 2-8 degrees C for up to 2 weeks. Long Term: Aliquot and store at -20 degrees C. Avoid freeze/thaw cycles.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

## IMAGES



### IF (Immunofluorescence)

Immunofluorescence of Human lung tissues, using SFTPC Antibody. Antibody 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).



### IHC (Immunohistochemistry)

Anti-SFTPC / Surfactant Protein C antibody IHC staining of human lung. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody dilution 1:100.

## ADDITIONAL INFORMATION

|                                                                   |                                                                                                                                                                                                                                                                                               |
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| <p><b>Related Product Information for anti-SFTPC antibody</b></p> | <p>Surfactant Protein C antibody (MBS249642) is an unconjugated rabbit polyclonal antibody to Surfactant Protein C (SFTPC) (aa1-30) from human. It is reactive with human and mouse. Validated for IF, IHC and WB. Tested on 20 paraffin-embedded human tissues. Cited in 3 publications.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 149999608                                              |
| NCBI GeneID                      | 6440                                                   |
| NCBI Accession #                 | NP_003009.2                                            |
| NCBI GenBank Nucleotide #        | NM_003018.3                                            |
| UniProt Accession #              | P11686; P11687; Q12793; Q7Z5D0; A6XNE4; B2RE00; E9PGX3 |
| NCBI Official Full Name          | pulmonary surfactant-associated protein C isoform 1    |
| 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-surfactant-protein-c-antibody-western-blot-immunofluorescence-immunohistochemistry-elisa/52615>