# SFTPC

E918355

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| **Research Area:** | Autophagy antibody Cancer Cardiovascular Cell Biology Epigenetics & Nuclear Signaling Developmental Biologys Immunology Drug Discovery Products Metabolism Neuroscience Signal Transduction Stem Cells |
| **Antibody type:** | Polyclonal Antibody |
| **Applications:** | WB IHC IF |
| **Reactivity:** | Human Mouse Rat |
| **Molecular Weight:** | 21kDa |
| **Immunogen:** | Recombinant protein of human SFTPC |
| **Gene ID:** | 6440 |
| **Swiss-Prot No.:** | P11686 |
| **Alternname:** | BRICD6;PSP-C;SFTP2;SMDP2;SP-C |
| **Source:** | Rabbit |
| **Isotype:** | IgG |
| **Purification:** | Affinity purification |
| **Storage/Stability:** | Store at -20°C. Avoid freeze / thaw cycles.<br>Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| | This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. |

**For Research Use Only**

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| **Background:** | Pulmonary surfactant is a surface-active lipoprotein complex composed of 90% lipids and 10% proteins which include plasma proteins and apolipoproteins SPA, SPB, SPC and SPD. The surfactant is secreted by the alveolar cells of the lung and maintains the stability of pulmonary tissue by reducing the surface tension of fluids that coat the lung. Multiple mutations in this gene have been identified, which cause pulmonary surfactant metabolism dysfunction type 2, also called pulmonary alveolar proteinosis due to surfactant protein C deficiency, and are associated with interstitial lung disease in older infants, children, and adults. Alternatively spliced transcript variants encoding different protein isoforms have been identified. |
| **Dilution:** | WB 1:500 - 1:2000<br>IHC 1:50 - 1:200<br>IF 1:50 - 1:200 |
| **Shipping&Stablity:** | Aliquot and store at -20°C. Avoid repeated freeze / thaw cycles. |