

## SFTPC Antibody (C-term)

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| Catalog_no :   | AB1216  |
| Applications : | WB  |
| Reactivity :   | H   |
| Category :     | 抗原抗体  |
| Size :         | 100 $\mu$ L/50 $\mu$ L  |
| Immunogen :    | HUMAN:144-173   |
| Specificity :  | This SFTPC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 144-173 amino acids from the C-terminal region of human SFTPC.  |
| Dilution :     | IHC-P,1:25;WB,1:2000;WB,1:1000;IF,1:10~50;  |
| Purification : | 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.  |
| Other_name :   | Pulmonary surfactant-associated protein C, SP-C, Pulmonary surfactant-associated proteolipid SPL(Val), SP5, SFTPC, SFTP2  |
| Isotype :      | Rabbit Ig   |
| Background :   | This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. 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. |
| reference :    | Wambach, J.A., et al. <i>Pediatr. Res.</i> 68(3):216-220(2010) Schuurhof, A., et al. <i>Pediatr. Pulmonol.</i> 45(6):608-613(2010) Thouvenin, G., et al. <i>Arch. Dis. Child.</i> 95(6):449-454(2010) Crossno, P.F., et al. <i>Chest</i> 137(4):969-973(2010) Davila, S., et al. <i>Genes</i>   |