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# anti-Surfactant Protein C antibody



**Images** 



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Quantity:	200 μL	
Target:	Surfactant Protein C (SFTPC)	
Reactivity:	Human, Mouse, Rat	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This Surfactant Protein C antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	

#### **Product Details**

Immunogen:	Recombinant fusion protein of human SFTPC (NP_001165881.1).	
Isotype:	lgG	
Characteristics:	Polyclonal Antibody	
Purification:	Affinity purification	

# Target Details

Target:	Surfactant Protein C (SFTPC)	
Alternative Name:	SFTPC (SFTPC Products)	
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.

Molecular Weight: Observed\_MW: 21 kDa

Calculated\_MW: 20 kDa/21 kDa

Gene ID: 6440

UniProt: P11686

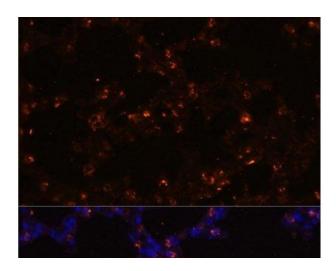
## **Application Details**

Application Notes: WB 1:500-1:2000 IHC 1:50-1:200 IF 1:50-1:200

Restrictions: For Research Use only

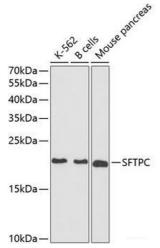
### Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



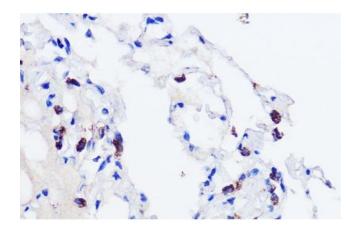
#### **Immunofluorescence**

**Image 1.** Immunofluorescence analysis of Mouse lung using SFTPC Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### **Western Blotting**

**Image 2.** Western blot analysis of extracts of various cell lines using SFTPC Polyclonal Antibody at dilution of 1:1000.



## Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Immunohistochemistry of paraffin-embedded Human lung using SFTPC Polyclonal Antibody at dilution of 1:200 (40x lens).

Please check the product details page for more images. Overall 6 images are available for ABIN7259843.