

## ARG59505 anti-SFTPC / SP-C antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes SFTPC / SP-C
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	SFTPC / SP-C
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 1-197 of Human SFTPC / SP-C (NP_001165881.1).
Conjugation	Un-conjugated
Alternate Names	BRICD6; SP-C; Val; SFTP2; SP5; PSP-C; Pulmonary surfactant-associated protein C; Pulmonary surfactant-associated proteolipid SPL; SMDP2

### Application Instructions

Predict Reactivity Note	Rat								
Application table	<table> <tr> <th>Application</th><th>Dilution</th></tr> <tr> <td>ICC/IF</td><td>1:50 - 1:200</td></tr> <tr> <td>IHC-P</td><td>1:50 - 1:200</td></tr> <tr> <td>WB</td><td>1:500 - 1:2000</td></tr> </table>	Application	Dilution	ICC/IF	1:50 - 1:200	IHC-P	1:50 - 1:200	WB	1:500 - 1:2000
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IHC-P	1:50 - 1:200								
WB	1:500 - 1:2000								
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.								
Positive Control	Mouse pancreas and K562								
Observed Size	21 kDa								

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw

cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

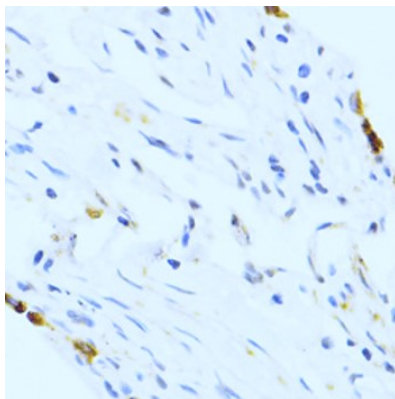
#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

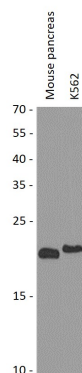
Gene Symbol	SFTPC
Gene Full Name	surfactant protein C
Background	<p>This gene encodes the pulmonary-associated surfactant protein C (SPC), an extremely hydrophobic surfactant protein essential for lung function and homeostasis after birth. Pulmonary surfactant is a surface-active lipoprotein complex 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.[provided by RefSeq, Feb 2010]</p>
Function	<p>Pulmonary surfactant associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces. [UniProt]</p>
Calculated Mw	21 kDa
Cellular Localization	Secreted, extracellular space, surface film. [UniProt]

## Images



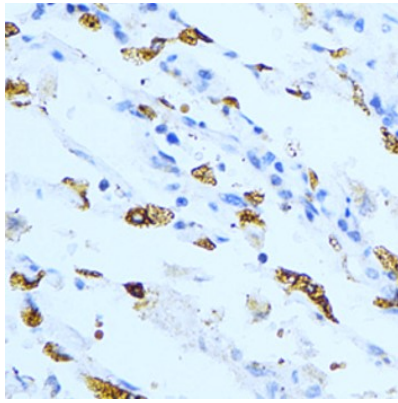
ARG59505 anti-SFTPC / SP-C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung stained with ARG59505 anti-SFTPC / SP-C antibody at 1:100 dilution.



ARG59505 anti-SFTPC / SP-C antibody WB image

Western blot: 25 µg of Mouse pancreas and K562 cell lysate stained with ARG59505 anti-SFTPC / SP-C antibody at 1:1000 dilution.



ARG59505 anti-SFTPC / SP-C antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human lung cancer stained with ARG59505 anti-SFTPC / SP-C antibody at 1:100 dilution.