

Rabbit SFTPC Polyclonal Antibody | anti-SFTPC antibody

SFTPC Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326412	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

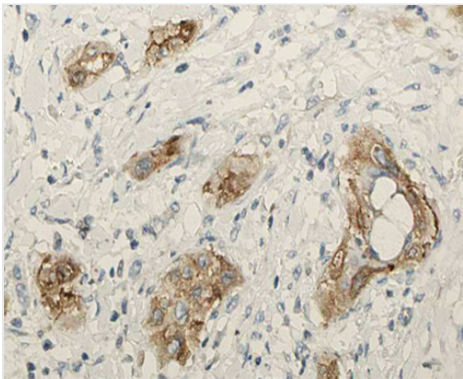
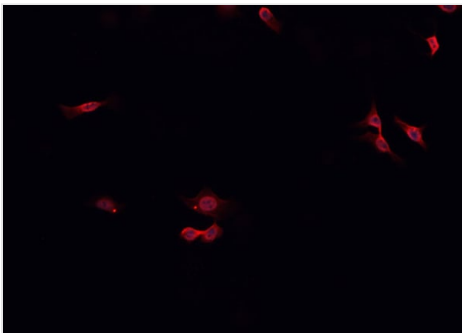
PRODUCT SYNONYMS

SFTPC; Polyclonal Antibody; SFTPC Antibody; BRICD6; BRICHOS domain containing 6; PSP C; PSPC; PSPC_HUMAN; Pulmonary surfactant apoprotein 2; Pulmonary surfactant apoprotein PSP C; pulmonary surfactant apoprotein-2 SP-C; Pulmonary surfactant associated protein C; Pulmonary surfactant associated proteolipid SPL pVal; Pulmonary surfactant associated proteolipid SPL(Val); Pulmonary surfactant protein SP5; Pulmonary surfactant-associated protein C; Pulmonary surfactant-associated proteolipid SPL(Val); SFTP 2; SFTP2; SFTPC surfactant pulmonary associated protein C; SMDP2; SP 5; SP C; SP-C; SP5; SPC; Surfactant associated protein pulmonary 2; Surfactant protein c; Surfactant proteolipid SPL-pVal; Surfactant pulmonary associated protein C; anti-SFTPC antibody

PRODUCT SPECIFICATIONS

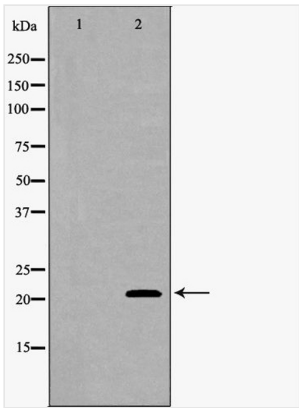
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	SFTPC antibody detects endogenous levels of total SFTPC
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	191
Applicable Applications for anti-SFTPC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human SFTPC
Subcellular Location	Secreted > Extracellular Space > Surface Film.
Predicted Cross Reactivity	Bovine, Horse, Rabbit
Similarity	Bovine (100%), Horse (100%), Rabbit (92%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



IF (Immunofluorescence)
AAA326412 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

IHC (Immunohistochemistry)
AAA326412 at 1/100 staining human lung tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of A549 whole cell lysates, using SFTPC Antibody. The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPC antibody	Description: 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. Function: Pulmonary surfactant associated proteins promote alveolar stability by lowering the surface tension at the air-liquid interface in the peripheral air spaces.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	288915543
NCBI GeneID	6440
NCBI Accession #	NP_001165828.1
NCBI GenBank Nucleotide #	NM_001172357.1
UniProt Accession #	P11686; P11687; Q12793; Q7Z5D0; A6XNE4; B2RE00; E9PGX3

Molecular Weight	Observed: 21 kDa Predicted: 22 kDa
NCBI Official Full Name	pulmonary surfactant-associated protein C isoform 2
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	SFTPC
UniProt Synonym Gene Names	SFTP2; SP-C

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-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/326412>