

Rabbit SFTPC Polyclonal Antibody | anti-SFTPC antibody

SFTPC Polyclonal Antibody

CATALOG # AAA36895	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot
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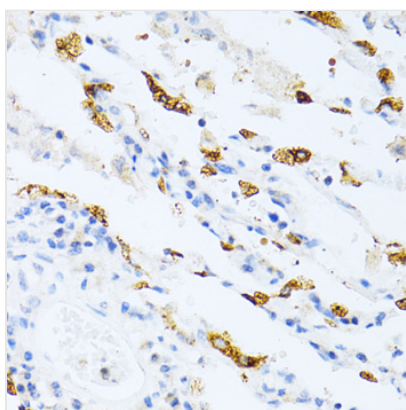
PRODUCT SYNONYMS

SFTPC; Polyclonal Antibody; SFTPC Polyclonal Antibody; SP-C; PSP-C; SFTP2; SMDP2; BRICD6; anti-SFTPC antibody

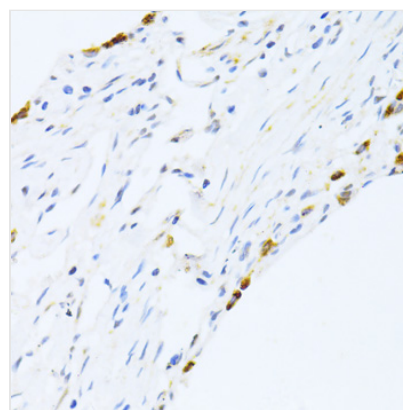
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity Purification
Concentration	1mg/ml (varies by lot)
Sequence Length	197
Applicable Applications for anti-SFTPC antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Species	Human
Immunogen	Recombinant Protein
Immunogen	Recombinant protein of human SFTPC
Calculated Molecular Weight	21kDa
Preparation and Storage	Store at -20 degree C. Avoid freeze / thaw cycles. Buffer: PBS with 0.09% Sodium azide, 50% glycerol, pH7.3.

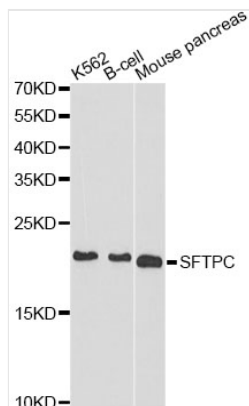
IMAGES


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung cancer using SFTPC antibody at dilution of 1:100 (40x lens).


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human lung using SFTPC antibody at dilution of 1:100 (40x lens).



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SFTPC antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 90s.

ADDITIONAL INFORMATION

Related Product Information for anti-SFTPC antibody	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.
Product Categories/Family for anti-SFTPC antibody	Polyclonal

NCBI AND UNIPROT INFORMATION

NCBI GI #	131425
NCBI GeneID	6440
UniProt Accession #	P11686 ; P11687 ; Q12793 ; Q7Z5D0 ; A6XNE4 ; B2RE00 ; E9PGX3
Molecular Weight	197
NCBI Official Full Name	Pulmonary surfactant-associated protein C
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; SP5; BRICHOS domain containing 6; pulmonary surfactant apoprotein-2 SP-C; pulmonary surfactant-associated proteolipid SPL(Val)
UniProt Protein Name	Pulmonary surfactant-associated protein C
UniProt Gene Name	SFTPC
UniProt Synonym Gene Names	SFTP2; SP-C
UniProt Entry Name	PSPC_HUMAN

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.

