Rabbit anti-Human SFTPC Monoclonal Antibody | anti-SFTPC antibody

SFTPC Rabbit PolymAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283088	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot**

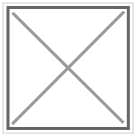
PRODUCT SYNONYMS

SFTPC; Monoclonal Antibody; SFTPC Rabbit PolymAb; SP5; SP-C; PSP-C; SFTP2; SMDP2; BRICD6; anti-SFTPC antibody

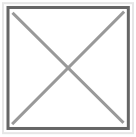
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Sequence	TATFSIGSTG LVVYDYQQLL IAYKPAPGTC CYIMKIAPES IPSLEALTRK VHNFQMECSL QAKPAVPTSK LGQAEGRDAG SAPSGGDPAF LGMAVSTLCG
Applicable Applications for anti-SFTPC antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Cross Reactivity	Human, Mouse
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 91-190 of human SFTPC (NP_003009.2).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



ICC (Immunocytochemistry)
Confocal imaging of paraffin-embedded Mouse lung tissue using SFTPC Rabbit PolymAb® (A26944-PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



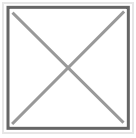
ICC (Immunocytochemistry)
Confocal imaging of paraffin-embedded Human lung tissue using SFTPC Rabbit PolymAb® (A26944-PM, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



IHC (Immunohistochemisry)
Immunohistochemistry analysis of paraffin-embedded Human lung tissue using SFTPC Rabbit PolymAb® (AAA283088) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohiostchemistry)
Immunohistochemistry analysis of paraffin-embedded Mouse lung tissue using SFTPC Rabbit PolymAb® (AAA283088) at a dilution of 1:13000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



WB (Western Blot)
Western blot analysis of lysates from 293T cells using SFTPC Rabbit PolymAb® (AAA283088) at 1:10000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 20 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 0.5s.

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	Cancer; Signal Transduction; Endocrine Metabolism; Lipid Metabolism; Cholesterol Metabolism; Cardiovascular; Lipids; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	131425
NCBI GeneID	6440
UniProt Accession #	P11686; P11687; Q12793; Q7Z5D0; A6XNE4; B2RE00; E9PGX3
Molecular Weight	Calculated MW: 21kDa Observed MW: 21kDa
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.

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Online datasheet: https://stage.aaabiotech.com/monoclonal/sftpc-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/283088