

SFTPA1/2 Polyclonal Antibody | anti-SFTPA1/2 antibody

Anti-SFTPA1/2 Antibody

CATALOG # AAA11644	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry
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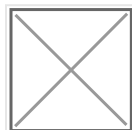
PRODUCT SYNONYMS

SFTPA1/2; Polyclonal Antibody; Anti-SFTPA1/2 Antibody; Pulmonary surfactant-associated protein A1/Pulmonary surfactant-associated protein A2; 35 kDa pulmonary surfactant associated protein; 35 kDa pulmonary surfactant-associated protein; Alveolar proteinosis protein; COLEC4; Collectin 4; Collectin-4; FLJ50593; FLJ51913; FLJ61144; FLJ77898; ; FLJ79095; FLJ99559; MGC133365; MGC198590; OTTHUMP00000019928; OTTHUMP00000019929; OTTHUMP00000019930; OTTHUMP00000019931; PSAP; PSP A; PSP-A; PSPA; pulmonary surfactant -associated protein; 35-KD; pulmonary surfactant apoprotein PSP-A; pulmonary surfactant associated protein A1; Pulmonary surfactant-associated protein A1; SFTA1_HUMAN; SFTP1; SFTPA1; SFTPA1B; SP A; SP A1; SP-A; SP-A1; SPA; SPA1; surfactant protein A1; surfactant protein A1 variant AB'D' 6A2; surfactant protein A1 variant AB'D' 6A3; surfactant protein A1 variant AB'D' 6A4; surfactant protein A1 variant ACD' 6A2; surfactant protein A1 variant ACD' 6A3; surfactant protein A1 variant ACD' 6A4; surfactant protein A1 variant AD' 6A; surfactant protein A1 variant AD' 6A2; surfactant protein A1 variant AD' 6A3; surfactant protein A1 variant AD' 6A4; surfactant protein A1B; surfactant; pulmonary associated protein A1A; pulmonary associated protein A1B; surfactant-associated protein; pulmonary 1; surfactant protein A1/surfactant protein A2; anti-SFTPA1/2 antibody

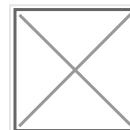
PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Immunogen Affinity Purified
Form/Format	Lyophilized. Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	248
Applicable Applications for anti-SFTPA1/2 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Application Notes	Western Blot Concentration: 0.1-0.5ug/ml Immunohistochemistry (IHC) Paraffin Concentration: 0.5-1ug/ml Immunohistochemistry (IHC) Formalin Concentration: 0.5-1ug/ml
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human SFTPA1/2(206-237aa VNYTNWYRGEPAGRGKEQCVEMYTDGQWNDNRN), different from the related mouse sequence by four amino acids, and from the related rat sequence by five amino acids.
Ig Type	Rabbit IgG
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquoted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

IMAGES



IHC (Immunohistochemistry)
Anti-SFTPA1/2 Picoband antibody, AAA11644, IHC(F)IHC(F): Mouse Lung Tissue



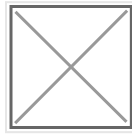
IHC (Immunohistochemistry)
Anti-SFTPA1/2 Picoband antibody, AAA11644, IHC(F)IHC(F): Rat Lung Tissue

**IHC (Immunohistochemistry)**

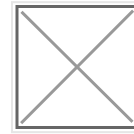
Anti- SFTP A1/2 Picoband antibody, AAA11644, IHC(P)IHC(P): Human Lung Cancer Tissue

**IHC (Immunohistochemistry)**

Anti- SFTP A1/2 Picoband antibody, AAA11644, IHC(P)IHC(P): Rat Lung Tissue

**IHC (Immunohistochemistry)**

Anti- SFTP A1/2 Picoband antibody, AAA11644, IHC(P)IHC(P): Mouse Lung Tissue

**WB (Western Blot)**

Anti- SFTP A1/2 Picoband antibody, AAA11644, Western blottingAll lanes: Anti SFTP (AAA11644) at 0.5ug/mL Lane 1: Rat Lung Tissue Lysate at 50ug/Lane 2: Mouse Lung Tissue Lysate at 50ug/Lane 3: A549 Whole Cell Lysate at 40ugPredicted bind size: 26KDObserved bind size: 26KD

ADDITIONAL INFORMATION

Related Product Information for anti-SFTP A1/2 antibody	Description: Rabbit IgG polyclonal antibody for Pulmonary surfactant-associated protein A1/Pulmonary surfactant-associated protein A2(SFTP A1/2) detection. Tested with WB, IHC-P, IHC-F in Human;Mouse;Rat. Background: SFTP A1/2 is also known as SP-A. SFTP A1 encodes a lung surfactant protein that is a member of a subfamily of C-type lectins called collectins. The encoded protein binds specific carbohydrate moieties found on lipids and on the surface of microorganisms. This protein plays an essential role in surfactant homeostasis and in the defense against respiratory pathogens. Mutations in this gene are associated with idiopathic pulmonary fibrosis. Alternate splicing results in multiple transcript variants. SFTP A2 is one of several genes encoding pulmonary-surfactant associated proteins (SFTP A) located on chromosome 10. Mutations in this gene and a highly similar gene located nearby, which affect the highly conserved carbohydrate recognition domain, are associated with idiopathic pulmonary fibrosis. The current version of the assembly displays only a single centromeric SFTP A gene pair rather than the two gene pairs shown in the previous assembly which were thought to have resulted from a duplication.
References	1. Perez-Gil J, Weaver TE (June 2010). "Pulmonary surfactant pathophysiology: current models and open questions".Physiology (Bethesda) 25 (3): 132-41. 2. Phelps DS (2001). "Surfactant regulation of host defense function in the lung: a question of balance". Pediatr Pathol Mol Med 20 (4): 269-92.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148886696
NCBI GeneID	729238
NCBI Accession #	NP_001092138.1
NCBI GenBank Nucleotide #	NM_001098668.3
UniProt Accession #	Q8IWL1 ; P07714 ; Q14DV3 ; Q5RIR8 ; A4QPA7 ; B2RXI6 ; B2RXK9 ; C9J9I7 ; E3VLC6 ; E3VLC7 ; E3VLC8 ; E3VLC9
Molecular Weight	26,182 Da
NCBI Official Full Name	pulmonary surfactant-associated protein A2 isoform 1
NCBI Official Synonym Full Names	surfactant protein A2
NCBI Official Symbol	SFTP A2
NCBI Official Synonym Symbols	PSAP; PSPA; SP-A; SPA2; PSP-A; SFTP1; SPAlI; COLEC5; SFTP A2B
NCBI Protein Information	pulmonary surfactant-associated protein A2
UniProt Protein Name	Pulmonary surfactant-associated protein A2
UniProt Gene Name	SFTP A2

UniProt Synonym Gene Names	COLEC5; PSAP; SFTP1; SFTPA; SFTPA2B; PSP-A; PSPA; SP-A; SP-A2
UniProt Entry Name	SFPA2_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/polyclonal/sftpa1-2-antibody-western-blot-immunohistochemistry-elisa/11644>