



Rabbit Anti-SFTPD antibody

SL1583R

Product Name:	SFTPD
Chinese Name:	肺表面活性蛋白D抗体
Alias:	SFTPD surfactant protein D; pulmonary surfactant-associated glycoprotein D; COLEC 7; COLEC7; Collectin7; PSP D; PSPD; Pulmonary surfactant apoprotein; Pulmonary surfactant associated protein D; SFTP 4; SFTP4; SFTPD; SP D; Surfactant associated protein pulmonary 4; Surfactant pulmonary associated protein D; SFTPD_HUMAN; Pulmonary surfactant-associated protein D; PSP-D; SP-D; Collectin-7; Lung surfactant protein D.
文献引用 PubMed :	<p>Specific References(2) SL1583R has been referenced in 2 publications.</p> <p>[IF=2.94]Sung, Hsin-Ching, et al. "The protective effect of eupafolin against TNF-α-induced lung inflammation via the reduction of intercellular cell adhesion molecule-1 expression." Journal of Ethnopharmacology (2015).IHC-P;Mouse. PubMed:25975517</p> <p>[IF=4.92]Ferretti, Andrew, et al. "Autoantibody-Mediated Pulmonary Alveolar Proteinosis in Rasgrp1-Deficient Mice." The Journal of Immunology (2016): 1502248.IHC-P;Mouse. PubMed:27279372</p>
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	41kDa

Cellular localization:	Secretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SP-D:301-375/375
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	<p>Surfactant protein D contributes to the lung's defense against inhaled microorganisms. It's a calcium ion dependent carbohydrate binding protein and is structurally similar to other C type mammalian lectins, such as conglutinin and SPA. It has a molecular size of approximately 37-43kDa in its reduced state, 620kDa in non dissociating conditions. Surfactant protein D enhances the production of oxygen radicals by rat alveolar macrophages and regulates some actions of SPA, which is the most abundant surfactant protein. Surfactant protein D is synthesized and secreted by alveolar epithelial type II cells.</p> <p>Function: Contributes to the lung's defense against inhaled microorganisms. May participate in the extracellular reorganization or turnover of pulmonary surfactant. Binds strongly maltose residues and to a lesser extent other alpha-glucosyl moieties.</p> <p>Subunit: Oligomeric complex of 4 set of homotrimers.</p> <p>Subcellular Location: Secreted, extracellular space, extracellular matrix. Secreted, extracellular space, surface film.</p> <p>Post-translational modifications: The N-terminus is blocked. Hydroxylation on proline residues within the sequence motif, GXPG, is most likely to be 4-hydroxy as this fits the requirement for 4-hydroxylation in vertebrates.</p> <p>Similarity: Belongs to the SFTPD family. Contains 1 C-type lectin domain. Contains 1 collagen-like domain.</p> <p>SWISS: P35247</p>

Gene ID:
6441

Database links:

[Entrez Gene: 6441](#)Human

[Entrez Gene: 20390](#)Mouse

[Entrez Gene: 25350](#)Rat

[Omim: 178635](#)Human

[SwissProt: P35247](#)Human

[SwissProt: P50404](#)Mouse

[SwissProt: P35248](#)Rat

[Unigene: 253495](#)Human

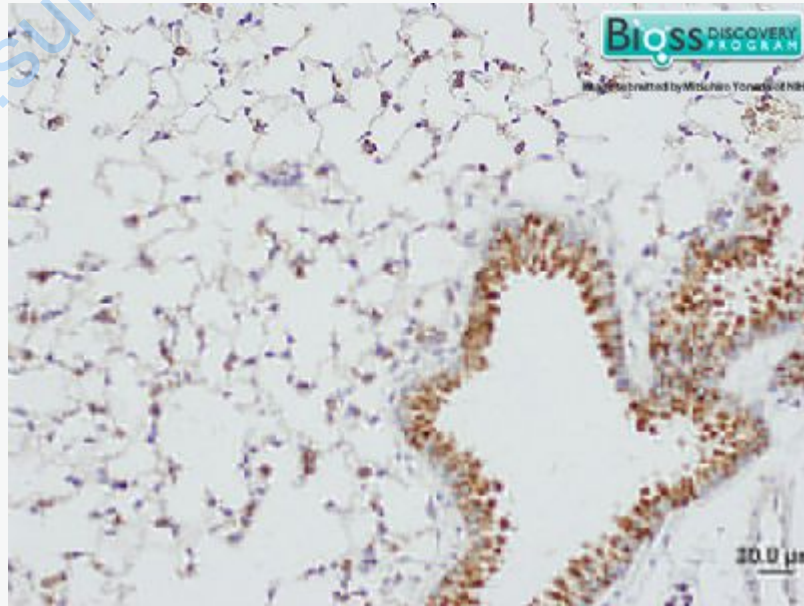
[Unigene: 1321](#)Mouse

[Unigene: 11348](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Formalin-fixed and paraffin embedded mouse lung tissue labeled Anti-SP-D

	Polyclonal Antibody, Unconjugated (SL1583R) at 1:2000, followed by conjugation to the secondary antibody and DAB staining
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